

Bacto Laboratories Equipment Catalogue

Volume 4, Issue 5.0A

MAY 2010

Scientific Equipment



New Product Feature



New

Orbital 160 Micro & Microhaematocrit Centrifuge

The new Clements Orbital 160 microcentrifuge is a versatile, compact, high performance centrifuge, featuring accurate digital timing, precise speed control and a simple to navigate touch panel with highly visible LED display. The Orbital 160 is suitable for routine clinical and laboratory applications and with an optional microhaematocrit rotor, it is ideal for Veterinarians and livestock breeders for measuring packed cell volume (P.C.V.) of whole blood.

Features:

- Max Speed 16,500 rpm
- Max RCF 18,360g
- Timer 0-99 min
- Digital LED display with Soft touch control panel
- Electronic lid interlock
- RCF and RPM display
- Interchangeable rotors
- Adjustable acceleration and deceleration

(For more info on the new range from Clements see p30.)

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Phone: 02 9602-5499

Fax: 02 9601-8293

Bacto Laboratories Pty Ltd

PO Box 8511, Mt Pritchard, NSW, 2170

Email: info@bacto.com.au

Web: www.bacto.com.au



Ohaus Balance - Exclusive Sale

Up to 40% Off

Analytical



AV413C: 410g in 0.001g
Features:
Adventurer Pro & InCal calibration
Large 2 line LCD display
Parts counting, animal, percentage, check & total weighing
19 weighing units available
Pan Size: 12cm dia / draft shield

RRP \$2,400 **SALE \$ 1,440**
SAVE \$ 960 *



EP213C: 210g in 0.001g
Features:
Explorer Pro & AutoCal calibration
LCD Display 240x128 pixels
Parts counting, animal, percentage, check, filling & total weighing
Menu driven feature rich software
Pan Size: 12cm dia / draft shield

RRP \$2,900 **SALE \$1,740**
SAVE \$1,160 *



AV114: 110g in 0.0001g
Features:
Adventurer Pro
Large 2 line LCD display
Parts counting, animal, percentage, check & total weighing
19 weighing units available
Pan Size: 9cm dia / draft shield

RRP \$2,900 **SALE \$ 1,740**
SAVE \$1,160 *



VP214C: 210g in 0.0001g
Features:
Voyager Pro & AutoCal calibration
LCD Display 240x128 pixels
Parts counting, animal, percentage, check, filling & total weighing
Software incl pipette calibration
Pan Size: 9cm dia / draft shield

RRP \$3,600 **SALE \$2,880**
SAVE \$720 *



AV412C: 410g in 0.01g
Features:
Adventurer Pro & InCal calibration
Large 2 line LCD display
Parts counting, animal, percentage, check & total weighing
19 weighing units available
Pan Size: 16.8 x 18cm

RRP \$1,400 **SALE \$ 890**
SAVE \$ 510 *



EP612: 610g in 0.01g
Features:
Explorer Pro & Digital calibration
LCD Display 240x128 pixels
Parts counting, animal, percentage, check, filling & total weighing
Menu driven feature rich software
Pan Size: 17.2x 17.2cm / shield

RRP \$2,600 **SALE \$1,560**
SAVE \$,1040 *



EP4102DC: 4100g in 0.1g
1000g in 0.01g
Features:
Explorer Pro & AutoCal calibration
LCD Display 240x128 pixels
Menu driven feature rich software
Pan Size: 17.2x 17.2cm / shield

RRP \$2,750 **SALE \$ 1,650**
SAVE \$1,100 *



VP6102CN: 6100g / 0.01g
Features:
Voyager Pro & AutoCal calibration
LCD Display 240x128 pixels
Parts counting, animal, percentage, check, filling & total weighing
Software incl pipette calibration
Pan Size: 17.2x 17.2cm / shield

RRP \$3,150 **SALE \$ 2,250**
SAVE \$ 900 *

Precision Balances



PA4101: 4100g in 0.1g
Features:
Pioneer Balance for basic weighing
Large 1 line LCD display
Parts counting and percentage, weighing
15 weighing units available
Pan Size: 18cm dia

RRP \$1,100 **SALE \$ 770**
SAVE \$ 330 *



PA4101C: 4100g in 0.1g
Features:
Pioneer with InCal calibration
Large 1 line LCD display
Parts counting and percentage, weighing
15 weighing units available
Pan Size: 18cm dia

RRP \$1,350 **SALE \$ 810**
SAVE \$ 540 *



EP4101: 4100g in 0.01g
Features:
Explorer Pro & Digital calibration
LCD Display 240x128 pixels
Parts counting, animal, percentage, check, filling & total weighing
Menu driven feature rich software
Pan Size: 20.3x 20.3

RRP \$2,500 **SALE \$ 1,500**
SAVE \$1,000 *



EP6101C: 6100g in 0.1g
Features:
Explorer Pro & Digital calibration
LCD Display 240x128 pixels
Parts counting, animal, percentage, check, filling & total weighing
Menu driven feature rich software
Pan Size: 20.3x 20.3

RRP \$2,850 **SALE \$ 1,710**
SAVE \$1,140 *

* limit stock at these prices, offer valid while stocks last.

All prices exclude GST and are subject to change without notice. For more information call Bacto Laboratories on 02 9602-5499.



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Meters, Data loggers for Temperature & RH

Temperature & RH Data Loggers with alarm



- Collect temp & RH data for testing or quality control!
- Data may be download to PC using the 8824P option
- Data can be printed on a 9801 portable graphics printer (below right)
- Rugged waterproof housing on temp models (splash resistant on RH)
- LCD screen for displaying current data being stored (not on 8813)
- Start/Stop logging by set schedule, magnetic switch or immediately (or button on 8813/34)
- Reading intervals from 1 sec. to 2 hours.
- Temperature sensor : Thermistor.
- User-defined Min. and Max. alarm setting



- Sample point : 1K,2K,4K,8K,12K,16K records for selection (up to max).
- No loss of data when battery is low or has been removed.

30% Off

Model	Description	RRP	Sale Price
Data Loggers			
8813	Temp Data Logger -30~70C, no LCD display, Hi/Lo alarm status	\$ 99	\$ 69
8828	Temp Data Logger -40~85C, LCD display, Hi/Lo alarm status	\$149	\$ 99
8829	Temp/RH Data Logger -40~85C, 0~100%RH, LCD display, alarm	\$199	\$139
8834	I/O Temp Data Logger -40~85C ext probe 40~100C, LCD, Hi/Lo alarm	\$179	\$125
Accessories			
8824P	USB 1.0 PC cradle for AZ data loggers, software & manual	\$120	\$ 69
9801	Printer for AZ data loggers, battery or 240V option	\$399	\$279
SB2522	Battery for 8813	\$ 6	\$ 3.95
SB1770	Battery for 8828/8829	\$ 20	\$ 11.95
MP3008-AZ	240V Power Adaptor for 9801 Printer	\$ 39	\$ 27

Temp & RH Data Logger & optional IR Transmitter to a PC

MicroLog PRO Data Loggers upto 52,000 memory

Model	Description	Price
EC700A	Temp -40 to 80oC, acc ±0.2°C	\$ 270.00
EC701AEXT	Temp -50 to 100oC (with hard wired DT132 probe on upto 16m cable)	\$ 370.00
EC750A	Temp -40 to 80oC, acc ±0.2°C, RH 0-100%, acc ±3%	\$ 435.00

Optional Transmitter to send signal to a receiver connected to a PC

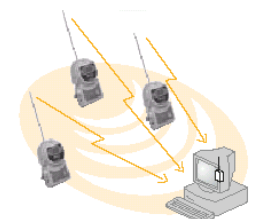
DT175	Transmitter and alarm cradle, range 300m (75m indoors) with battery	\$ 365.00
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Accessories

TE6VDC500/2	Optional 240V AC Power supply pack for DT175	\$ 25.00
PC-KIT	Serial communication cable & Software (not needed if DT175 used)	\$ 45.00
DT086	3.6V Lithium battery	\$ 20.00
DT093	External temperature sensor -50 to 100oC, blunt (8m cable)	\$ 125.00
DT132	External temperature sensor -50 to 100oC, blunt (2.5m cable)	\$ 95.00
DT132N	External temperature sensor -50 to 100oC, sharp (2.5m cable)	\$ 105.00
DT253WBPT100	External temperature sensor -100 to 120oC	\$ 285.00
MPLUS-REPST	Repeater kit (receives & re-transmits) to extend system range	\$ 735.00
11310	External antenna for receiver or cradle	\$ 85.00

Optional Receiver for IR System (one receiver will cater for upto 200 transmitters)

MPLUS-RECST	MicroLog Plus receiver Kit for upto 200 dataloggers (includes DT152 receiver + software + power adaptor + serial cable)	\$ 475.00
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pH Meters, AZ Instruments

Waterproof Pocket pH Tester

- Push button operation
- Automatic calibration up to 3 points (pH 4, 7 & 10)
- Dual LCD display for pH & temp in either C or F
- Automatic Temperature Compensation ATC
- Durable waterproof housing (IP65)
- Portable size design with pocket clip.
- Replaceable electrode for reduced long term costs
- No tools or trimmers needed for calibration.

20% Off



pH Tester is supplied with battery, manual, vinyl pouch in a colour printed box.
Wide range of applications including: Pools, aquariums, laboratories, aquaculture, car washes, water testing food testing, education and waste water treatment.

Model	LCD Display	Res	Accuracy	ATC	Temp Readout	Push Button Calibration Points	Replaceable Electrode Type	RRP	Sale Price
Waterproof pH Tester									
8690	Dual Line	0.01pH	0.02pH	Yes	Yes	3 point (USA)	junction	\$129	\$ 99
Replacement parts for 8690									
86P9	Plug-in Replacement Electrodes for 8690						junction	\$ 74	\$ 59
SB2522	Replacement 3V Battery for 8690							\$ 5	-

Hand Held pH Meter

Ideal first pH meter for fast & accurate pH, mV & temp readings. Comes with starter buffer solutions and carry case.



- Dual LCD display for pH or mV & temp in C or F
- Backlit display for easy viewing in dark areas
- Automatic Temperature Compensation ATC
- Optional manual temp compensation with probe
- Hold function and Max / Min recall
- Low battery indicator
- Automatic calibration up to 3 points (pH 4, 7 & 10)
- BNC & mini-phone jack temp connectors
- RS232 for PC connection (for use with optional RS232B kit)

Up to 33% Off

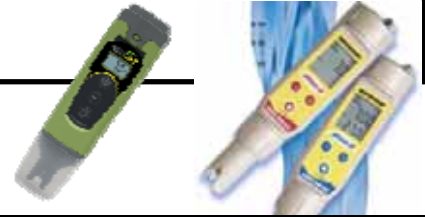
Meter supplied with hard carry case, 9V battery, pH buffer starter pack and manual. Optionals: pH electrode & temp sensor on 1 meter cable
Applications include : Pools, Spas, Aquariums, Labs, Aquaculture, Sanitation plants, Car washes, hydroponics, Water & Wastewater treatment and Boilers / Steam generator maintenance.

Model	LCD Display	Res	Accuracy	ATC	Temp Readout	Push Button Calibration Points	Replaceable Electrode Type	RRP	Sale Price
pH Meter									
8601	Dual Line	0.01pH	0.02pH	Yes	Yes	3 point (USA)	no probes	\$299	\$199
8601-IJ44	Dual Line	0.01pH	0.02pH	Yes	Yes	3 point (USA)	IJ44 + temp	\$497	\$359
Replacement parts and accessories for 8601									
86P3AZ	pH Epoxy Body Electrode, 3-in-1, pH BNC & temp (mini-phone jack)						Chinese	\$139	\$99
IJ44C-BNC	pH Epoxy Body Electrode, 2-in-1 spear tip for easy cleaning, BNC						Australian	\$195	\$169
RS232B	Data Software & RS232 PC cable for 8601 pH & 8855 Temp meters							\$ 99	-



Meters, Laboratory pH

Waterproof Pocket pH Meters Testers



These durable and simple pH testers are ideal for first timers or scientists on the move.

Model	LCD Display	Res	Accuracy	ATC	Temp Readout	Push Button Calibration Points	Replaceable Electrode Type	RRP	2+ Price
Waterproof pH Testers									
ECOPHTEST2	Single Line	0.1pH	±0.1pH	Yes	No	3 points (USA)	Single junction	\$ 95	\$ 90
ECPHTEST10	Dual Line	0.1pH	0.1pH	Yes	No	3 point (USA)	Double junction	\$135	\$125
ECPHTEST20	Dual Line	0.01pH	0.01pH	Yes	No	3 point (USA, NIST)	Double junction	\$155	\$145
ECPHTEST30	Dual Line	0.01pH	0.01pH	Yes	Yes	3 point (USA, NIST)	Double junction	\$175	\$165
ECPHTEST10BNC	Dual Line	0.01pH	0.01pH	No	No	3 point (USA, NIST)	BNC connector only	\$170	
ECPHSPEAR	Dual Line	0.01pH	0.01pH	No	No	3 point (USA, NIST)	Spear tip	\$395	
Plug-in Replacement Sensors for Waterproof pH Testers									
EC-PHSENSOR02	for Waterproof ECOPHTEST2						Single junction	\$ 70	-
EC-PHWPSEN02	for Waterproof PHSCAN2 (Old model TBD)						Single junction	\$ 70	-
EC-PHSENSOR03DJ	for Waterproof PHTEST 10/20/30						Double junction	\$ 85	-
IJ48B-BNC	for pHScan BNC testers, double junction, glass stem						Double junction	\$159	
EC-PHWPSEN04	For waterproof pHspear, double junction, spear tip design						Double junction	\$335	

Hand Held pH Meters

Palm Top Basic pH Meters

pH range: 0-14pH, res 0.01pH, acc 0.01pH

Temp range: 0-100°C, res 0.1°C; acc 0.5°C

mV range: -1000 to +1000mV, res 1mV; acc 1mV (only on PH6 models)

EC-PH5/02PLUSK: pH/°C Meter, pH & Temp probes in a carry case RRP \$495; **Our Price \$480**

EC-PH5/03PLUSK: pH/°C Meter, 3-in-1 pH probe in a carry case RRP \$525; **Our Price \$510**

EC-PH6/02PLUSK: pH/mV/°C Meter, pH & Temp probes in a carry case RRP \$535; **Our Price \$520**

EC-PH6/03PLUSK: pH/mV/°C Meter, 3-in-1 pH probe in a carry case RRP \$575; **Our Price \$560**



Standard Hand Held pH Meters

Portable pH/mV Meter with memory, 5 point calibration

pH Range: -2 to 16pH; Res 0.01pH; Acc ±0.01pH

mV Range: 1999 to + 1999mV; Res 1mV; Acc ±2mV

199.9 to + 199.9mV; Res 0.1mV; Acc ±0.2mV

Temp Range: -10 to 110°C; Res 0.1°C; Acc ±0.5°C

Meter, Temp Probe, Epoxy-body pH Comb Electrode & Carry Case

EC-PH11/02K: Meter with 50 Memory RRP \$630; **Our Price \$599**

EC-PH110/02K: as above with 100 memory, °C/°F & RS232 RRP \$755

Waterproof pH Meters

EC-PHWP300/02K: **Waterproof** CyberScan pH 300 Portable pH Meter with 16 memory (pH, mV, °C) with 2 x probe holders, Temp Probe & Epoxy-body pH Probe.

pH: range -2-16pH, res 0.01pH, acc 0.01pH; mV: range -1999 to 1999mV, res 0.1mV

Temp: range 0-100, res 0.1°C; acc 0.3°C

RRP \$675; **Our Price \$660 with a Carry Case**

EC-PHWP310/02K: As Above with 50 memory and date/time stamping

RRP \$725; **Our Price \$710 with a Carry Case**





Meters, Laboratory pH & Buffer Solutions

Bench pH Meters

Standard Bench Meters

Bench pH Meter with 50 memory data sets & 3 point calibration
 Temp Probe, Power Adaptor, optional Electrode Arm & **pH Electrode**
 pH Range: -0 to 14pH; Res 0.01pH; Acc ±0.01pH (obtained with glass electrode)
 mV Range: ±199.9 mV; ±1999 mV; Res 0.1mV; Acc ±0.2mV
 Temp Range: -0 to 100°C; Res 0.1°C; Acc ±0.3°C

EC-PH510/41 Meter, NO pH electrode RRP \$625: **Our Price \$599**
 EC-PH510/42S Meter & stand, with pH electrode RRP \$660: **Our Price \$635**



Research-Grade Bench Meters

Designed with a larger display for enhanced readability. Taking precise measurements in a lab setting is now a breeze with these user-friendly meters. While allowing easy customisation to suit your specific needs, Series 1500 meters deliver optimum performance over a wide range of applications. Compact, highly reliable and accurate.

Bench pH Meter with 100 memory data sets & 6 point calibration. PC-based data acquisition software, RS232C, PC cable, temp probe & **pH electrode**, with Base Plate & Electrode Arm
 pH Range: -2 to 20pH; Res 0.001pH; Acc ±0.002pH
 mV Range: -1800 mV; +1800 mV; Res 0.1mV; Acc ±0.2mV
 Temp Range: -5 to 105°C; Res 0.1°C; Acc ±0.5°C

EC-PH1500/42S: RRP \$1195; **Our Price \$1090**



pH Electrodes

* At very high pH values (12-14pH), artificially high pH values can be reported at high sodium levels. To minimise this effect, you should use a special electrode (more fragile) with a low sodium error if you are measuring above pH 12.

Code	Body	Glass Tip	Type	pH Range	Size mm	Junction	Refillable	Plug	Price
EUTECH									
EC-FC72521-01B	Plastic	Round	General	0-13	12 x 110	Single	No	BNC	\$ 105.00
EC-FG74519-01B	Glass	Round	High Alkaline *	0-14	12 x 115	Single	No	BNC	\$ 270.00
EC-FC73529-01B	Plastic	Round	3-in-1	0-13	12 x 110	Single	No	BNC + temp	\$ 190.00
EC-FE73528-01B	Plastic	Round	3-in-1	0-13	12 x 110	Single	No	BNC + WP temp	\$ 210.00
EC-FG63511-01B	Glass	FLAT	General	0-13	12 x 115	Single	No	BNC	\$ 265.00
IONODE									
IH40-BNC	Plastic	Round	General Lab	0-13		Double	No	BNC	\$ 110.00
IH20-BNC	Plastic	Spear	High Alkaline *	0-14		Double	No	BNC	\$ 110.00
PBFC-BNC	Plastic	Round	General Lab	0-13	12 x 125	Single	Yes	BNC	\$ 95.00
PBFB-BNC	Plastic	Round	High Alkaline *	0-14		Single	Yes	BNC	\$ 110.00
IJ44C-BNC	Plastic	SPEAR	General - Easy clean	0-14	12 x 150	Double	Yes	BNC	\$ 169.00
IJ44A-BNC	Plastic	SPEAR	High Acid-Easy Clean	0-12	12 x 150	Double	Yes	BNC	\$ 195.00

pH Buffers



Code	Description	Pack	RRP	Sale Price	
DISWAT-1L	Distilled Water For Cleaning	1L	\$ 9.90	\$ 6.90	} 1
1010-500ML	Electrode Storage Solution, CLEAR	500ml	\$22.00	\$13.90	
1010-1L	Electrode Storage Solution, CLEAR	1L	\$39.00	\$19.90	} 2
2490-500ML	Buffer Solution 4.0 pH, RED	500ml	\$22.00	\$13.90	
2490-1L	Buffer Solution 4.0 pH, RED	1L	\$39.00	\$19.90	} 3
2491-500ML	Buffer Solution 7.0 pH, GREEN	500ml	\$22.00	\$13.90	
2491-1L	Buffer Solution 7.0 pH, GREEN	1L	\$39.00	\$19.90	} 4
2492-500ML	Buffer Solution 9.2 pH, TURQUOISE	500ml	\$22.00	\$13.90	
2492-1L	Buffer Solution 9.2 pH, TURQUOISE	1L	\$39.00	\$19.90	} 5
2564-500ML	Buffer Solution 10.0 pH, BLUE	500ml	\$22.00	\$13.90	
2564-1L	Buffer Solution 10.0 pH, BLUE	1L	\$39.00	\$19.90	
2401-100	pH Sticks 0-14, OP	Pk 100	\$40.00	\$14.90	

Gradation: 0-1-2-3-4-5-6-7-8-9-10-11-12-13-14



Meters, Conductivity & TDS Meters



Pocket Con/TDS/Salt Testers

The **Waterproof** ECScan tester series represent the new wave of microprocessor-based waterproof pocket EC (electrical conductivity) & TDS testers. The microprocessor provides a high level of sophistication with several advanced features including push bottom calibration, while maintaining a user-friendly interface.

And if the need arises with this unique design you can replace the sensor yourself! No tools or messy soldering necessary. You get to use the same tester over and over again saving you money and time.

Model	Range/s	Accuracy	Temp Readout	Calibration Points	Electrode	RRP	Our Price
Conductivity (EC)							
ECTest11	0-20.00 mS/cm; & 0-2000 µS/cm	±1% full scale	Yes	12.88 mS/cm; or 1413 uS/cm	Scoop and dip type replaceable	\$145	\$139
ECTest11+	0-20.00 mS/cm; 0-200 µS/cm; & 0-2000 µS/cm	±1% full scale	Yes	12.88mS/cm; or 84.0 uS/cm; or 1413uS/cm;	Scoop and dip type replaceable	\$175	\$165
Total Dissolved Solids (TDS)							
TDSTest11	0-2000.00 ppm 0-10.00 ppt	±1% full scale	Yes	1 point push-button	Dip type replaceable	\$145	\$139
TDSTest11+	0-2000.00 ppm 0-200.00 ppm 0-10.00 ppt	±1% full scale	Yes	1 point push-button	Dip type replaceable	\$175	\$165
Salinity Testers (Salt)							
SaltTest11	Up to 10.00 ppt	±1% full scale	Yes	1 point push-button	Dip type replaceable	\$150	\$145



Portable TDS, Con, Salt, DO Meter

CON 6 Conductivity Meter (uS, mS, °C); 0 to 199.9, 1999 µS/cm; 19.99 mS/cm
EC-CON6/03PLUSK: RRP \$595; **Our Price \$570 with carry case**

TDS 6 TDS Meter (ppm, ppt, °C); 0 to 99.9, 999 ppm; 9.99 ppt
EC-TDS6/03PLUSK: RRP \$595; **Our Price \$570 with carry case**

SALT 6 Meter (ppt, %, °C); 0 to 50.0ppt; 0 to 5.00%
EC-SALT6/03PLUSK: RRP \$595; **Our Price \$570 with carry case**

Bench Con, TDS & °C/°F Meter

Conductivity Range: 0 to 20.00, 200.0, 2000 µS/cm; 20.00, 200 mS/cm
TDS Range: 0 to 10.00, 100.0, 1000 ppm; 10.00, Max. 100 ppt (depend on factor setting)
Resolution: 0.05% of Full Scale; Accuracy: ± 1% Full Scale + 1 digit
Temp: -10.0 to 110.0 °C; Res 0.1 °C; Acc ± 0.5 °C (0.9 °F)
Cond. to TDS Conversion Factor: 0.40 to 1.00 (selectable)
Cell Constant: 0.1, 1.0 or 10.0 (selectable)
Calibration: Automatic or Manual; Single or Multi-point up to 5 points
Features: Memory 50 Data Sets; Auto-ranging; Auto-calibration, Auto-hold (Averaging/Stability); Hold & Self-diagnostic; ATC & electrode holder & electrode
EC-CON510/43S: RRP \$895; **Our Price \$870**





Meters, Waterproof Combination Portable

IP67 Waterproof and Dustproof - ideal for rugged wet environments. Meters even float for easy retrieval.

pH / Con / TDS / Salinity / Temp

EC-PCSTESTER35 Portable Multi-parameter Pocket Meter with

pH Range: 0.00 to 14.00 pH

Con Range: 0.0 to 199.9, 200 to 1999 μ S/cm; 2.00 to 20.00 mS/cm

TDS Range: 0.0 to 99.9, 100 to 999 ppm; 1.00 to 10.00 ppt

Salinity Range: 0.0 to 99.9, 100 to 999 ppm; 1.00 to 10.00 ppt; 0.0 to 1.00%

Temp Range: 0.0 to 50.0°C; 32.0 to 122.0°F

RRP \$195; **Our Price \$185**



New Product



pH / Con / TDS/ Temp

EC-PCWP300/03K

Waterproof CyberScan PC 300 Portable pH/Conductivity/TDS Meter (pH, μ S/cm, mS/cm, ppm, ppt, oC/ oF)

pH Range: -2.00 to 16.00 pH

Con Range: 0 to 19.99, 199.9, 1999 μ S/cm; 19.99, 199.9 mS/cm

TDS Range: 0 to 9.99, 99.9, 999 ppm; 9.99, 99.9 ppt, Max. 199.9 ppt

Temp Range: 0 to 100.0°C; 32.0 to 212°F

RRP \$995; **Our Price \$975 with carry case**

pH / Dissolved Oxygen / Temp

EC-PDWP300/03K

Waterproof CyberScan PD 300 Portable pH/DO Meter with backlit display (pH, mg/l, ppm, % saturation, °C) with pH probe and DO probe on 3m cable

pH Range: -2.00 to 16.00 pH

DO Range: 0 to 19.9 mg/l or ppm

% Saturation: 0.0 to 199.9 %

Salinity Correction: 0.0 to 50.0 ppt

Barometric Pressure Correction: 500 to 1499 mm Hg or 66.6 to 199.9 kPa

Temp Range: 0 to 100.0°C; 32.0 to 212°F

RRP \$1595; **Our Price \$1520 with carry case**



Dissolved Oxygen / Temp

EC-DOWP300/01K DO 300 Portable Dissolved Oxygen Meter with 50 memory and date/time stamping (mg/l, ppm, % saturation, C) and **DO probe on 3m cable**, adjustable backlight display, 1 assembled membrane cap housing, 50ml

Dissolved Oxygen Range	0 to 19.9 mg/l or ppm
Resolution & Accuracy	0.01 mg/l, 0.1 ppm & \pm 1.5% Full Scale
% Saturation of Oxygen	0.0 to 199.9 %
Resolution & Accuracy	0.1 % & \pm 1.5% Full Scale
Salinity Correction	0.0 to 50.0 ppt
Barometric Pressure Correction	500 to 1499 mm Hg or 66.6 to 199.9 kPa

RRP \$1295; **Our Price \$1250 with carry case**

EC-DOWP300/02K as above with DO probe on **8m cable** \$ 1395





Meters, Refractometers

Brix Tester (Refractometer)

For working with sugar related liquids (fruit juices, soft drinks, wine and honey) help monitor to control sugar concentrations in foods and beverages. It is also commonly used for controlling the concentration of various industrial fluids (cutting lubricants and flux rinsing compounds). Whether users are checking the “ripeness” of fruit in the field, verifying product quality after harvesting or controlling concentrations during processing and packaging, refractometers provide critical information to ensure product quality.

Model	Range	Min. Div	Remarks	Price
REF101	0 - 10% Brix	0.1% Brix	Without ATC	\$ 120
REF111	0 - 10% Brix	0.1% Brix	ATC	\$ 130
REF102	0 - 18% Brix	0.1% Brix	Without ATC	\$ 120
REF112	0 - 18% Brix	0.1% Brix	ATC	\$ 130
REF103BP	0 - 32% Brix	0.2% Brix	Without ATC	\$ 120
REF113	0 - 32% Brix	0.2% Brix	ATC	\$ 130
REF104	28 - 62% Brix	0.2% Brix	Without ATC	\$ 120
REF114	28 - 62% Brix	0.2% Brix	ATC	\$ 130
REF105	45 - 82% Brix	0.5% Brix	Without ATC	\$ 120
REF107	0 - 90% Brix (3 range)	0.2% Brix	Without ATC	\$ 599
REF108	0 - 80% Brix (2 range)	1.0% Brix	Without ATC	\$ 270
REF109	58 - 92% Brix	0.5% Brix	Without ATC	\$ 120
REF1010	0 - 50% Brix	1.0% Brix	Without ATC	\$ 120



Without ATC, plastic body



With ATC, metal body



REF107

Salinity Tester (Refractometer)

For testing the concentration of salt water and brine. It's double scale provides a direct reading of the specific gravity and concentration (Parts Per Thousand – PPT) of salt in water. It provides reliable refractive index and salinity readings of total dissolved solids of aqueous solutions. It is used for quality control in research and clinical laboratories. It can be used to check and maintain stock solutions and dilutions. In the food industry, it is especially effective in the preparation of frozen vegetables, fruits, seafood and ocean by-products. The salinity tester is also used in oceanography and seawater studies for determining soil quality. The model having ATC is ideal for field use.

Model	Range	Min. Div	Remarks	Price
REF213	0-10% Salinity	0.25%	ATC	\$ POA
REF202	0-28% Salinity	0.2%	Without ATC	\$ 120
REF212	0-28% Salinity	0.2%	ATC	\$ 150
REF201	0-100ppt Salinity & SG	5 ppt & 0.005 SG	Without ATC	\$ 120
REF211	0-100ppt Salinity & SG	5 ppt & 0.005 SG	ATC	\$ 150



Honey Tester (Refractometer)

For testing the three common indexes of honey: sugar; baume' and water content.

Model	Range	Min. Div	Remarks	Price
REF106C	13 - 25% Honey Moisture	0.1%	Without ATC	\$ 150
REF106	58 - 90% Brix	0.5% Brix	Without ATC	\$ 150
	38-43 Be'	0.5% Be'		
	17 - 27% Water	1.0% Water		
REF116	58 - 90% Brix	0.5% Brix	ATC	\$ 167
	38-43 Be'	0.5% Be'		
	17 - 27% Water	1.0% Water		



Other testers available include:

Original Fruit Juice; Anti-Freeze/Battery/Cleaning Fluids; & Brake Fluid Refractometers



Meters, Hand Held Refractometers

Clinical Protein Tester (Refractometer)

For clinical usage for vet and humans. These units provides veterinarians and humans with quick and accurate indication of vital fluid levels. Its triple scale reads Urine Specific Gravity, Total Serum Protein and Refractive Index.

Model	Range, Scales	Min. Div.	ATC	Price
REF301	0-12g/dl; 1.000-1.040sg	0.2g/dl; 0.002sg	No	\$120
REF311	0-12g/dl; 1.000-1.040sg	0.2g/dl; 0.002sg	ATC	\$150
REF302	0-12g/dl; 1.000-1.050sg; 1.3330-1.3600RI	0.2g/dl; 0.002sg; 0.00025RI	No	\$120
REF312	0-12g/dl; 1.000-1.050sg; 1.3330-1.3600RI	0.2g/dl; 0.002sg; 0.00025RI	ATC	\$150
REF303	0-12g/1000ml; 1.000-1.050UG; 1.3325-1.3600ND	0.2g/1000ml; 0.005UG; 0.0005ND	No	\$120
REF313	0-12g/1000ml; 1.000-1.050UG; 1.3325-1.3600ND	0.2g/1000ml; 0.005UG; 0.0005ND	ATC	\$150
REF304	0-12g/dl; 1.000-1.040UG; 1.3330-1.3600ND	0.2g/dl; 0.005UG; 0.0005ND	No	\$120
REF314	0-12g/dl; 1.000-1.040UG; 1.3330-1.3600ND	0.2g/dl; 0.005UG; 0.0005ND	ATC	\$150



Grape Juice and Wine (Refractometer)

For alcohol or sugar related wines and concentration of alcohol. It can measure the alcohol conc. in wines or water solutions. It is also developed for measuring the sugar and baume' in grapes to helps decide the best time to manufacture grape wine.

Model	Range	Min. Div	Remarks	Price
REF501	0-80% w/w alcohol	1.0%	Without ATC	\$ 120
REF511	0-80% w/w alcohol	1.0%	ATC	\$ 150
REF502	0-25% vol alcohol	0.2%	Without ATC	\$ 120
REF512	0-25% vol alcohol	0.2%	ATC	\$ 150
REF503	0-25% vol alcohol; 0-40% Brix	0.2%	Without ATC	\$ 120
REF513	0-25% vol alcohol; 0-40% Brix	0.2%	ATC	\$ 150
REF504	0-25% vol alcohol; 0-20% Baume'	0.2%	Without ATC	\$ 120
REF514	0-25% vol alcohol; 0-20% Baume'	0.2%	Without ATC	\$ 150



Digital Refractometers

These economical digital refractometers are easy to read and easy to use.

REF120	0-35% Brix Nd 1.3330-1.3903 0-40°C	0.1% 0.0003 1°C	180x105x50	\$ 399
REF121	0-45% Brix Nd 1.3330-1.4098	0.1% 0.0001	180x105x50	\$ 399
REF122	28-65% Brix Nd 1.3800-1.4535	0.1% 0.0001	180x105x50	\$ 399
REF123	60-92% Brix Nd 1.4400-1.5230	0.1% 0.0001	180x105x50	\$ 399
REF220	0-28% Salinity Nd 1.3330-1.3900	0.1% 0.0001	180x105x50	\$ 399
REF320	Urine SPG 1.000-1.050 Serum P 0-12 Nd 1.3330-1.3900	0.001 0.1 0.0001	180x105x50	\$ 399
REF520	Mass s/w 0-35% AP 0-22 °Oe 0-150; & °KMW 0-25	0.1% 0.1 1; & 0.1	180x105x50	\$ 399
REF620	0-35% Brix 0-28% Salinity Nd 1.3330-1.3900	0.1% 0.1% 0.0001	180x105x50	\$ 399

Price Drop





Liquid Handling

Ultra MicroPipetter

The premium range of Micro-Pipettors. Each unit comes with full calibration data, fully traceable & conform to ISO 8655-3. Ultra units offer easy end user re-calibration, easily dismantled for cleaning, servicing & autoclaving. Each unit is individually numbered and certified.

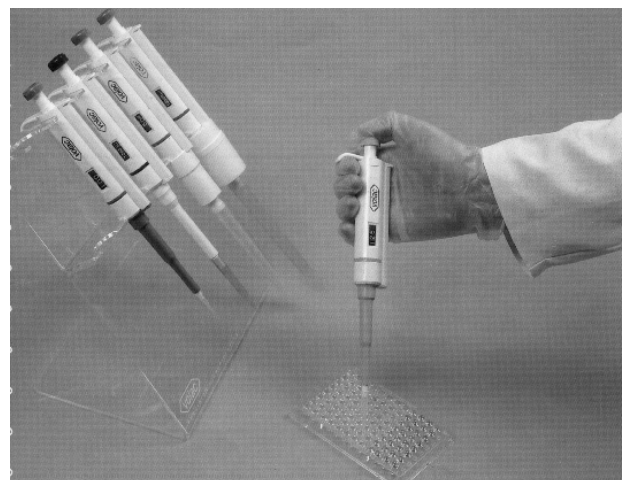


Code	Volume Range	Precision %	Price	2+ Price
R680/O	0-10ul	0.6	\$409.58	\$258.34
R680/A	5-50ul	0.25	\$409.58	\$258.34
R680/B	10-100ul	0.15	\$409.58	\$258.34
R680/C	20-200ul	0.15	\$409.58	\$258.34
R680/D	50-500ul	0.15	\$409.58	\$258.34
R680/E	100-1000ul	0.15	\$409.58	\$258.34
R680/F	500-5000ul	0.15	\$409.58	\$258.34
R680/G	1000-10000ul	0.15	\$409.58	\$258.34
	Fixed volume			
R670/A	5ul	1.25	\$239.26	\$164.80
R670/B	10ul	0.5	\$239.26	\$164.80
R670/D	20ul	0.5	\$239.26	\$164.80
R670/E	25ul	0.5	\$239.26	\$164.80
R670/H	50ul	0.15	\$239.26	\$164.80
R670/N	100ul	0.15	\$239.26	\$164.80
R670/Q	200ul	0.15	\$239.26	\$164.80
R670/R	250ul	0.15	\$239.26	\$164.80
R670/U	500ul	0.15	\$239.26	\$164.80
R670/Y	1000ul	0.1	\$239.26	\$164.80
R670/Z	5000ul	0.2	\$239.26	\$164.80
R670/ZZ	10000ul	0.2	\$239.26	\$164.80
R670/SP	specified volume		\$287.14	\$229.71

Code	Volume Range	Precision ±%	Price	2+ Price
R780/O	0.5-10ul	1	\$299.14	\$199.78
R780/X	2-20ul	1	\$299.14	\$199.78
R780/A	5-50ul	0.3	\$299.14	\$199.78
R780/B	20-100ul	0.2	\$299.14	\$199.78
R780/C	40-200ul	0.2	\$299.14	\$199.78
R780/E	200-1000ul	0.2	\$299.14	\$199.78
R780/F	1000-5000ul	0.2	\$299.14	\$199.78
R780/G	2000-10000ul	0.15	\$299.14	\$199.78
	Fixed Volume			
R770/A	5ul	2.5	\$197.64	\$128.64
R770/B	10ul	1	\$197.64	\$128.64
R770/D	20ul	0.6	\$197.64	\$128.64
R770/E	25ul	0.4	\$197.64	\$128.64
R770/H	50ul	0.4	\$197.64	\$128.64
R770/N	100ul	0.4	\$197.64	\$128.64
R770/Q	200ul	0.4	\$197.64	\$128.64
R770/R	250ul	0.4	\$197.64	\$128.64
R770/U	500ul	0.4	\$197.64	\$128.64
R770/Y	1000ul	0.4	\$197.64	\$128.64
R770/Z	5000ul	0.4	\$197.64	\$128.64
R770/ZZ	10000ul	0.4	\$197.64	\$128.64
R770/SP	specify volume		\$217.37	\$173.89

Uni MicroPipetter

A simple to use, affordable micropipettor with excellent accuracy & repeatability. Designed with large easy to read volume settings and the ability to re-calibrate with special tool provided. These units are ideal for education and budget conscious labs.





Liquid Handling

Eco MicroPipetter

Code	Volume Range	Prec ±%	Price	2+ Price
E1000-01	100-1000ul, Blue	0.4	\$93.17	\$79.00
E1000-05	500-5000ul, Pink	0.4	\$93.17	\$79.00
E1000-10	1000-10000ul, Turq	0.4	\$93.17	\$79.00
	Fixed volume			
D999/A	5ul	1.5	\$93.17	\$79.00
D999/D	20ul	0.6	\$93.17	\$79.00
D999/E	25ul	0.6	\$93.17	\$79.00
D999/ZZ	10000ul	0.4	\$93.17	\$79.00

A simple to use range of micropipettor offering the full range of 0.1-10ml. The ideal teaching pipettor allows for hands-on learning often replacing bulky & breakable glass pipettes. These units are made from 100% plastic making them impact resistant, durable and fully autoclavable. These non-blowout featured units help reduce the chance of end user pipetting



Microlit Fully Autoclavable MicroPipetter

- Constructed of fully autoclavable plastic and a SS piston dependable service.
- Individually Calibrated in accordance with ISO 8655
- Six volume ranges cover the complete range from 0.5µl to 10ml
- New body design provide improved comfort and less fatigue during operation.
- Easy end user re-calibration.
- Easy volume adjustment by turning the plunger
- Built-in, streamlined tip ejector facilitates on all models
- Accuracy and Precision volume provided are better than those laid down in the ISO 8655 Standards.
- Colour Coded sizes for easy identification



Model	Vol. Range	Price	Increment	Vol.	Accuracy		Precision	
					±%	±µl	±%	±µl
FAA - 10	0.5 - 10 µl	\$ 139	0.1	0.5	5.0	0.025	2.8	0.14
				5.0	1.5	0.075	0.8	0.04
				10.0	1.0	0.1	0.4	0.04
FAA - 100	10 -100 µl	\$ 139	1.0	10.0	2.5	0.25	0.7	0.07
				50.0	0.8	0.4	0.15	0.15
				100.0	0.8	0.8	0.15	0.15
FAA - 200	20 -200 µl	\$ 139	1.0	20.	2.5	0.5	0.7	0.14
				100.0	1.0	1.0	0.3	0.3
				200.0	0.6	1.2	0.2	0.2
FAA - 1000	100 -1000 µl	\$ 139	10.0	100.0	1.6	1.6	0.3	0.3
				500.	0.6	3.0	0.2	1.0
				1000.0	0.5	5.0	0.2	2.0
FAA - 5000	0.5 - 5 ml	\$ 139	100.0	500.0	1.5	7.5	0.3	1.5
				2500.0	0.6	15.0	0.2	5.0
				5000.0	0.6	30.0	0.2	10.0
FAA - 10000	1 -10 ml	\$ 139	100.0	1000.0	1.5	15.0	0.3	3.0
				5000.0	0.6	30.0	0.2	15.0
				10000.0	0.6	60.0	0.2	30.0



Liquid Handling

Powered Pipette Controllers

Best Value

Falcon Express Pipet-Aid - electronic pipette filling instrument. Easy & comfortable to suit all types of liquid handling needs in every Laboratory. Variable speed for easy use up to standard 50ml or 100ml pipettes. Low power consumption allows extended operation. Removable stand / bracket allows for resting on bench without pipette tip touching the bench.

FA.357590 - RRP \$674 Sale Price \$490 (SAVE 25%)



Brand Accu-jet Pro Pipette Controller

Powerful, lightweight and convenient, the accu-jet® Pro uses just two buttons to provide complete control over filling and delivery. The sensitive valve system allows you to take up liquid gently or powerfully, as desired. Fine meniscus adjustment couldn't be easier.

Relaxed operation: Light weight and well balanced design (192g)

50 ml in 10 seconds: Powerful enough to fill even large pipettes in next to no time.

Long-life battery: '8 hours' continuous motor operation (NiMH 2.4V 700mAH)

Supplied with wall mounting bracket, 2 spare membrane filters (0.2µm), recharger & manual.

BR.26320: RRP \$799 SALE PRICE \$749

Price Drop

Hirschmann Pipetus-Akku Pipette Controller

The only pipet-aid with an inductive charging stand.

Color display: displays battery level, set pump speed and dispensing mode.

Advanced charging: a microprocessor controlled charging operation which permanently monitors the battery level and recharges only as necessary, prolonging battery life.

Great feel: Light weight and well balanced design (200g).

Long-lasting batteries: '50 hours' continuous motor operation (Hi capacity Ni/MH)

Supplied with wall mounting bracket, 2 spare membrane filters (0.2µm), recharger & manual.

HI.99078.00: RRP \$911 SALE PRICE \$890



Volac Bottle-Top Dispenser

For accuracy and repeatability in repeat dispensing & step pipetting similar to Micro-pipettors with easy one handed operation. All parts in contact with the liquid are made from PTFE or Glass making it suitable for most solvents and acids. Lower body easily removed for cleaning and autoclaving at 121oC. These units feature advanced easy end-user re-calibration.

Code	Capacity : Increments	Precision ±%	Price	2+ Price
AR675/O	50-500ul : 1ul	0.3	\$633	\$399
AR675/A	100-1000ul : 2ul	0.3	\$633	\$399
AR675/B	500-5000ul : 10ul	0.3	\$633	\$399
AR675/C	1000-10000ul : 20ul	0.3	\$633	\$399



Liquid Handling

Basic Dispensers

Easy handling with fast and simple volume adjustment by merely turning the scale ring. Extra safety with the click-stop mechanism makes sure that the volume is not changed unintentionally.

Code	Volume, ml	Accuracy %	Price
93100	0.2-1.0	0.7	\$399
93200	0.4-2.0	0.7	\$399
93300	1.0-5.0	0.7	\$399
93400	2.0-10.0	0.7	\$399
93500	5.0-30.0	0.7	\$589
93600	10.0-60.0	0.7	\$633



Ceramus Dispensers

Incorporates a reagent recirculation system for fast priming without loss of reagent. **Fixed volume also avail.**

Code	Volume, ml	Accuracy %	Price
93120	0.2-1.0	0.6	\$527
93220	0.4-2.0	0.5	\$527
93320	1.0-5.0	0.5	\$527
93420	2.0-10.0	0.5	\$527
93520	5.0-30.0	0.5	\$738
93620	10.0-60.0	0.5	\$767

Solarus Digital Burette (Solar Powered)

Revolutionary: the integrated solar panels supply the energy for the electronic components and the display. No more charging or changing batteries. With RS232 bi-directional interface & no loss of reagent due to the user-friendly reagent recirculation system.

Code	Volume, ml	Accuracy %	CV%	Price
93920.20	20ml	0.2	0.1	\$1365
93920.50	50ml	0.2	0.1	\$1365





Laboratory Equipment - OHAUS Balances Up to 20% Off

OHAUS Discovery Semi-Micro & Analytical

The Ohaus Analytical Plus family of durable, reliable balances delivers the performance and precision you'd expect to find in premium priced balances.

- 11 weigh modes incl: parts counting, percent weighing and pipette calibration
- Modern analytical design with Motorized internal calibration at a touch of a button
- Equipped with RS232 bi-directional interface for easy integration with peripherals
- SmarText™ software, Ohaus' easy to use text prompting balance software

Item	Capacity	Readability	Pan Size	RRP	Sale
DV114C	110 g	0.1 mg	9cm dia/shield	\$4,250	\$3,825
DV215CD	81 g / 210 g	0.01mg / 0.1mg	9cm dia/shield	\$5,750	\$5,175
DV214C	210 g	0.1 mg	9cm dia/shield	\$4,600	\$4,140
DV314	310 g	0.1 mg	9cm dia/shield	\$5,500	\$4,950



AutoCal

OHAUS Voyager Pro Analytical

The Voyager Pro Series features 4 analytical models with capacities up to 210g and 0.1mg readability for maximum accuracy. The draftshield design and contoured fit provide optimum draft protection from wind currents for superior balance stability and reproducibility in challenging environments such as high traffic areas. Voyager® Pro is perfect for university research, teaching laboratories and general lab applications.

Advanced software includes Statistics, Formulation, Differential Weighing, Statistical QC, Density Determination and Pipette Calibration Standard AutoCal internal calibration

Item	Capacity	Readability	Pan Size	RRP	Sale
VP64C	62 g	0.1 mg	9cm dia/shield	\$3,350	-
VP114C	110 g	0.1 mg	9cm dia/shield	\$3,450	-
VP214C	210 g	0.1 mg	9cm dia/shield	\$3,600	\$2,880
VP214DC	100 g / 210 g	0.1 mg / 1 mg	9cm dia/shield	\$3,450	-



AutoCal

OHAUS Voyager Pro Precision

Voyager Pro features a simple user interface, including a scroll down menu navigation and on screen text prompts on the state of the art high-resolution display.

Advanced software incl: Statistics, Formulation, Differential Weighing, Statistical QC, Density Determination and Pipette Calibration. Standard AutoCal internal calibration.

Item	Capacity	Readability	Pan Size	RRP	Sale
VP213C	210 g	0.001 g	12cm dia/shield	\$2,900	-
VP413C	410 g	0.001 g	12cm dia/shield	\$3,100	-
VP413DC	100 g / 410 g	0.001 g / 0.01 g	12cm dia/shield	\$3,050	-
VP613C	610 g	0.001 g	12cm dia/shield	\$3,300	\$2,799
VP2102C	2100 g	0.01 g	17.2 x 17.2cm	\$2,800	-
VP4102C	4100 g	0.01 g	17.2 x 17.2cm	\$3,000	-
VP6102C	6100 g	0.01 g	17.2 x 17.2cm	\$3,150	\$2,520
VP4101C	4100 g	0.1 g	17.2 x 17.2cm	\$2,750	-
VP6101C	6100 g	0.1 g	17.2 x 17.2cm	\$2,950	-
VP8101C	8100 g	0.1 g	17.2 x 17.2cm	\$3,150	\$2,835



AutoCal

Ohaus Moisture Balances

Designed to quickly, effectively and affordably measure moisture content, with infrared heating with precision weighing technology to give a fast and accurate method for moisture content determination. Perfect for applications in the pharmaceutical, chemical and research industries; versatile and rugged enough industry applications.

Item	Capacity	Readability	Pan Size	RRP	Sale
MB23	110 g	0.01 g / 0.1%	9cm dia	\$2,250	\$1,912
MB25	110 g	0.005 g / 0.05%	9cm dia	\$2,850	\$2,422





OHAUS Explorer Pro Analytical with Automatic Calibration

The Explorer Pro offers high performance in a dependable, easy-to-use workhorse balance. Large, brilliant graphic display for easy reading under all lighting conditions. Feature-rich software for a wide variety of applications & optional AutoCal.

Item	Capacity	Readability	Pan Size	RRP	Sale
EP64C	62 g	0.1 mg	9cm dia/shield	\$3,300	-
EP114C	110 g	0.1 mg	9cm dia/shield	\$3,350	-
EP214C	210 g	0.1 mg	9cm dia/shield	\$3,450	\$2,930
EP214DC	100 g / 210 g	0.1 mg / 1 mg	9cm dia/shield	\$3,250	-



AutoCal

OHAUS Explorer Pro Analytical

Item	Capacity	Readability	Pan Size	RRP	Sale
EP64	62 g	0.1 mg	9cm dia/shield	\$3,050	-
EP114	110 g	0.1 mg	9cm dia/shield	\$3,050	-
EP214	210 g	0.1 mg	9cm dia/shield	\$3,200	\$2,720
EP214D	100 g / 210 g	0.1 mg / 1 mg	9cm dia/shield	\$2,950	-



OHAUS Explorer Pro Precision with Automatic Calibration

Item	Capacity	Readability	Pan Size	RRP	Sale
EP213C	210 g	0.001 g	12cm dia/shield	\$2,900	-
EP413C	410 g	0.001 g	12cm dia/shield	\$3,050	-
EP613C	610 g	0.001 g	12cm dia/shield	\$3,200	\$2,720
EP413DC	100 g / 410 g	0.001 g / 0.01 g	12cm dia/shield	\$3,050	-
EP612C	610 g	0.01 g	17.2 x 17.2cm	\$2,800	-
EP2102C	2100 g	0.01 g	17.2 x 17.2cm	\$2,900	-
EP4102C	4100 g	0.01 g	17.2 x 17.2cm	\$3,000	-
EP6102C	6100 g	0.01 g	17.2 x 17.2cm	\$3,300	\$2,799
EP4102DC	1000 g / 4100 g	0.01 g / 0.1 g	17.2 x 17.2cm	\$2,750	-
EP4101C	4100 g	0.1 g	20.3 x 20.3cm	\$2,750	-
EP6101C	6100 g	0.1 g	20.3 x 20.3cm	\$2,850	-
EP8101C	8100 g	0.1 g	20.3 x 20.3cm	\$3,100	\$2,635



AutoCal



AutoCal

OHAUS Explorer Pro Precision

Item	Capacity	Readability	Pan Size	RRP	Sale
EP213	210 g	0.001 g	12cm dia/shield	\$2,750	-
EP413	410 g	0.001 g	12cm dia/shield	\$2,900	-
EP413D	100 g / 410 g	0.001 g / 0.01 g	12cm dia/shield	\$2,800	-
EP613	610 g	0.001 g	12cm dia/shield	\$3,050	\$2,599
EP612	610 g	0.01 g	17.2 x 17.2cm	\$2,600	-
EP2102	2100 g	0.01 g	17.2 x 17.2cm	\$2,700	-
EP4102	4100 g	0.01 g	17.2 x 17.2cm	\$2,800	-
EP4102D	1000 g / 4100 g	0.01 g / 0.1 g	17.2 x 17.2cm	\$2,500	-
EP6102	6100 g	0.01 g	17.2 x 17.2cm	\$3,200	\$2,720
EP4101	4100 g	0.1 g	20.3 x 20.3cm	\$2,500	-
EP6101	6100 g	0.1 g	20.3 x 20.3cm	\$2,600	-
EP8101	8100 g	0.1 g	20.3 x 20.3cm	\$2,800	\$2,380



OHAUS Explorer Pro High Capacity Balances with AutoCal Automatic Calibration

Item	Capacity	Readability	Pan Size	RRP	Sale
EP12001C	12000 g	0.1 g	28 x 35.6cm	\$4,600	-
EP22001C	22000 g	0.1 g	28 x 35.6cm	\$4,800	-
EP32001C	32000 g	0.1 g	28 x 35.6cm	\$5,100	\$4,400



AutoCal

OHAUS Explorer Pro High Capacity Balances

Item	Capacity	Readability	Pan Size	RRP	Sale
EP12001	12000 g	0.1 g	28 x 35.6cm	\$4,400	-
EP22001	22000 g	0.1 g	28 x 35.6cm	\$4,600	-
EP32001	32000 g	0.1 g	28 x 35.6cm	\$4,800	\$4,200





Laboratory Equipment - OHAUS Balances Up to 20% Off

Ohaus Adventurer Pro Precision & Analytical Balances with Internal Calibration

The most complete balance in its class and price range, offering the most commonly required balance features as standard. Precision models feature a frameless draftshield for easy access. Standard features across the range incl: 2 line alpha-numeric display; advanced software for parts counting/animal/percentage/check/total weighing; display hold feature; RS232 output for GLP printing; 19 weighing units and optional; 2 or 3 point calibration or Optional Internal Calibration.

Item	Capacity	Readability	Pan Size	RRP	Sale
AV114C-AU	110 g	0.0001 g	9cm dia/shield	\$3,200	-
AV264C-AU	260 g	0.0001 g	9cm dia/shield	\$3,300	\$2,640
AV213C	210 g	0.001 g	12cm dia/shield	\$2,100	-
AV313C	310 g	0.001 g	12cm dia/shield	\$2,300	\$1,955
AV212C	210 g	0.01 g	12cm dia	\$1,300	-
AV412C	410 g	0.01 g	16.8 x 18cm	\$1,400	\$1,190
AV812C	810 g	0.01 g	16.8 x 18cm	\$1,600	-
AV2102C	2100 g	0.01 g	16.8 x 18cm	\$2,400	-
AV4102C	4100 g	0.01 g	16.8 x 18cm	\$2,500	\$2,125
AV2101C	2100 g	0.1 g	16.8 x 18cm	\$1,300	-
AV4101C	4100 g	0.1 g	16.8 x 18cm	\$1,400	-
AV8101C	8100 g	0.1 g	16.8 x 18cm	\$1,600	\$1,360



Ohaus Adventurer Pro Precision & Analytical Balances

Item	Capacity	Readability	Pan Size	RRP	Sale
AV114	110 g	0.0001 g	9cm dia/shield	\$2,900	-
AV264	260 g	0.0001 g	9cm dia/shield	\$3,000	\$2,550
AV53	51 g	0.001 g	10cm/round shield	\$1,200	-
AV213	210 g	0.001 g	12cm dia/shield	\$1,800	-
AV313	310 g	0.001 g	12cm dia/shield	\$2,000	\$1,699
AV212	210 g	0.01 g	12cm dia	\$1,000	-
AV412	410 g	0.01 g	14.9 x 16.2cm	\$1,100	-
AV812	810 g	0.01 g	14.9 x 16.2cm	\$1,300	\$1,099
AV2102	2100 g	0.01 g	16.8 x 18cm	\$2,100	-
AV4102	4100 g	0.01 g	16.8 x 18cm	\$2,200	\$1,870
AV2101	2100 g	0.1 g	14.9 x 16.2cm	\$1,000	-
AV4101	4100 g	0.1 g	14.9 x 16.2cm	\$1,100	-
AV8101	8100 g	0.1 g	14.9 x 16.2cm	\$1,200	\$ 999



OHAUS EB Series

A large SS weighing pan and ABS body provide protection for medium industrial conditions.

Item	Capacity	Readability	Pan Size	RRP	Sale
EB3	3 kg	0.0001 kg	29 x 22cm	\$390	\$349
EB6	6 kg	0.0002 kg	29 x 22cm	\$390	\$349
EB15	15 kg	0.0005 kg	29 x 22cm	\$390	\$349
EB30	30 kg	0.001 kg	29 x 22cm	\$390	\$349



OHAUS ES Series

Use in multiple ways with 3-way mounting bracket, coiled load cell cord & battery operation.

Item	Capacity	Readability	Pan Size	RRP	Sale
ES6R	6 kg	0.002 kg	12.2 x 10.8cm	\$380	\$340
ES30R	30 kg	0.01 kg	12.2 x 10.8cm	\$400	\$360
ES50R	50 kg	0.02 kg	12.2 x 10.8cm	\$450	\$405
ES50L	50 kg	0.02 kg	20.5 x 15.7cm	\$500	\$450
ES100L	100 kg	0.05 kg	20.5 x 15.7cm	\$500	\$450
ES200L	200 kg	0.1 kg	20.5 x 15.7cm	\$550	\$495





OHAUS Pioneer Scale

The Pioneer offers an affordable, accurate and easy to use balance for all of your basic weighing needs. Precision models feature a 3-way draft shield for easy access. 1 line LCD display; RS232; 15 weighing units.

Item	Capacity	Readability	Pan Size	RRP	Sale
PA64C	65 g	0.0001 g	9cm dia/ shield	\$1,550	-
PA114C	110 g	0.0001 g	9cm dia/ shield	\$1,600	\$1,360
PA214C	210 g	0.0001 g	9cm dia/ shield	\$1,950	\$1,650
PA213C	210 g	0.001 g	12cm dia/ shield	\$1,350	-
PA413C	410 g	0.001 g	12cm dia/ shield	\$1,550	\$1,320
PA512C	510 g	0.01 g	18cm dia	\$1,350	-
PA2102C	2100 g	0.01 g	18cm dia	\$1,450	-
PA4102C	4100 g	0.01 g	18cm dia	\$1,650	\$1,399
PA4101C	4100 g	0.1 g	18cm dia	\$1,350	\$1,150



Item	Capacity	Readability	Pan Size	RRP	Sale
PA64	65 g	0.0001 g	9cm dia/ shield	\$1,350	\$1,150
PA114	110 g	0.0001 g	9cm dia/ shield	\$1,400	\$1,190
PA214	210 g	0.0001 g	9cm dia/ shield	\$1,700	\$1,450
PA213	210 g	0.001 g	12cm dia/ shield	\$1,100	-
PA413	410 g	0.001 g	12cm dia/ shield	\$1,300	\$1,100
PA512	510 g	0.01 g	18cm dia	\$1,100	-
PA2102	2100 g	0.01 g	18cm dia	\$1,200	-
PA4102	4100 g	0.01 g	18cm dia	\$1,400	\$1,190
PA4101	4100 g	0.1 g	18cm dia	\$1,100	\$935



OHAUS Scout Pro Scale

The Ohaus Scout Pro offers superior performance in a portable balance. Features: Large LCD display; Parts counting /percent/total weighing; 2 or 3 point external calibration; Battery or AC power; 7 weighing units. (USB Option \$110)

Item	Capacity	Readability	Pan Size	RRP	Sale
SP202	200 g	0.01 g	12cm dia	\$515	\$410
SP402	400 g	0.01 g	12cm dia	\$715	\$610
SP602	600 g	0.01 g	12cm dia	\$815	\$690
SP401	400 g	0.1 g	12cm dia	\$300	\$255
SP601	600 g	0.1 g	16.5 x 14.2cm	\$395	\$335
SP2001	2000 g	0.1 g	16.5 x 14.2cm	\$515	\$410
SP4001	4000 g	0.1 g	16.5 x 14.2cm	\$715	\$570
SP6001	6000 g	0.1 g	16.5 x 14.2cm	\$815	\$690
SP6000	6000 g	1 g	16.5 x 14.2cm	\$395	\$335



OHAUS Compact Scale

Compact portable balance. Large LCD display; 2 point external calibration; 2 weighing units.

Item	Capacity	Readability	Pan Size	RRP	Sale
CS200	200 g	0.1 g	14.5 x 13.3cm	\$240	\$215
CS2000	2000 g	1 g	14.5 x 13.3cm	\$240	\$192
CS5000	5000 g	2 g	14.5 x 13.3cm	\$240	\$215



OHAUS Hand Held Scale

Hand-Held Scales are convenient and compact allowing weighing in the palm of your hand.

Item	Capacity	Readability	Pan Size	RRP	Sale
HH120D	60 g / 120 g	0.1 g / 0.2 g	8.3 x 7.6cm	\$190	\$170
HH120	120 g	0.1 g	8.3 x 7.6cm	\$290	\$260
HH320	320 g	0.1 g	8.3 x 7.6cm	\$290	\$260





Laboratory Equipment - Balances

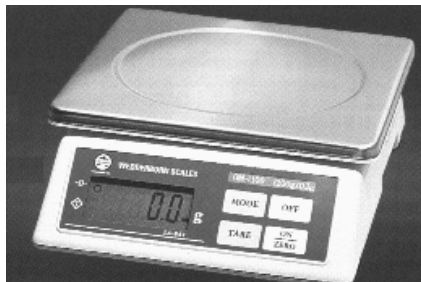


DISPOSABLE WEIGH BOATS -Non wetting high impact polystyrene
 Consistent weight for relative ease of taring
 Smooth surface with rounded corners facilitates removal of all powders/ granular samples
 Flat bottomed for stability & Wide rim for easy forcep grip
 Easily squeezed along diagonal axis to form a funnel for controlled delivery

Code	Description	Colour	Dimensions	Capacity	Price/bag	Inner Bag	Case Qty
WT5	Square, small	White	44 x 44mm	7 ml	\$ 23.90	250	1000
WT30	Diamond, medium	White	80 x 60mm	30 ml	\$ 67.90	500	500
WT70	Square, medium	White	80 x 80mm	100 ml	\$ 15.90	100	1000
WT250	Square, large	White	140 x 140mm	250 ml	\$ 55.90	250	1000

“DS671” Digital Bench Balance

Large 23mm high, 5 digit LCD display.
 One touch tare function.
 Low power consumption. (More than 1600 hours)
 Auto-power off function & low battery light.
 Light weight and compact.
 Uses either battery or AC adaptor (included).
 Oversize weight platform 216x216mm
3kg in 1g: \$440 **15kg in 5g: \$440**
6kg in 2g: \$440 **30kg in 10g: \$440**
10kg in 5g: \$440



“UWGM” Digital Bench Balance

Extra large display LCD
 One touch tare
 Light weight, compact portable
 Large S.S. top pan
 AC or DC power option (AC power cable incl)
 Internal re-chargeable battery included
UWGM1100: 1100g in 0.1g: \$640
UWHGM: 4000g in 0.1g: \$820
UWGM1000: 11kg in 1g: \$640

Top Pan Digital Balances

- tuning fork sensor
- less than one sec response time
- full metal closure
- weigh in: g, lb, kg or pieces
- optional re-chargeable built in battery

SDDJ600P: 600g in 0.01g RRP \$ 995 **SALE \$ 950**
SDCG3000S: 3000g in 0.01g RRP \$1535 **SALE \$1399**
SDCG3000: 3000g in 0.1g RRP \$1295 **SALE \$1195**
SDDJ6000P: 6200g in 0.1g RRP \$ 995 **SALE \$ 950**



Series 300S Moisture Measuring Balances

Based on the tried and tested infrared drying method with rapid booster heater, which delivers quick and very accurate results. With fluorescent display this robust (die cast aluminium casing) unit is simple to operate. The fold back heating elements allow 100% access to the sample at all times.
 RS232C bi-directional serial output.
 Password protection helps prevent theft.
PRXM60HA: 60g in 0.001g \$4200
PRHA300: 300g in 0.001g \$4899



Laboratory Equipment - Balances

AJ Series Digital Balances comes complete with:

- fast response with tuning fork sensor technology
- MMTS - mono-metal tuning fork
- weighing, counting and percentage modes
- choice of weighing units (g, lb, ct, oz, gm, moome)
- bar graph capacity display
- NMI Approved No. 6/4C/222
- RS-232 data output
- built-in semi-automatic calibration with internal weight (420g & 4200g)
- fully enclosed wind shield (420g & 6220g capacities)

AJ Series



AJ-420E

Code	Capacity	Interval	Pan Size	Price
SD AJ420E	420 g	0.001 g	118 mm dia	\$1,450.00
SD AJ620E	620 g	0.001 g	118 mm dia	\$1,675.00
SD AJ820E	820 g	0.01 g	170 x 140 mm	\$1,095.00
SD AJ1200E	1,200 g	0.01 g	170 x 140 mm	\$1,160.00
SD AJH420E	420 g	0.001 g	118 mm dia	\$1,665.00
SD AJH620E	620 g	0.001 g	118 mm dia	\$1,890.00
SD AJ6200	6,200 g	0.01 g	180 x 160 mm	\$1,710.00
SD AJ12K	12,000 g	0.1 g	180 x 160 mm	\$1,230.00
SD AJH4200	4,200 g	0.01 g	180 x 160 mm	\$1,705.00

XB Series



XB Series Digital Balances comes complete with:

- Large chrome nickel steel top pan, Airbubble and adjustable feet
- RS232 data output & Electronic anti-theft code
- 16 units of measure & Piece counting, software upgrades from the internet
- 2 year warranty, Opt remote display & Opt printer
- 5 touch button keypad.

TOP PAN with Fluorescent Display

PRXB4200C: 4200g in 0.01g, Pan 170x170mm RRP \$2330
 PRXB6200D: 6200g in 0.1g, Pan 170x170mm RRP \$1790

ANALYTICAL with Fluorescent Display

PRXB220A: 220g in 0.0001g, Pan 80mm round RRP \$2790
 (Wind shield height 260mm with 2 side doors)

XT Series Digital Balances comes complete with:

- Large chrome nickel steel top pan, Airbubble and adjustable feet
- RS232, RS422, RS485 data output with Electronic anti-theft code
- 16 units of measure & Piece counting, calculations, density determination
- Software upgrades from the internet & 2 year warranty
- Opt remote display, barcode scanner, keypad & printer
- 10 touch buttons for easy navigation of menus
- Self calibration system (SCS) recalibrating every 24 hrs or 2°C temp change

TOP PAN with Fluorescent Display

PRXT320M: 320g in 0.001g, Pan 135x135mm RRP \$2720
 PRXT6200C: 6200g in 0.01g, Pan 170x170mm RRP \$3020
 PRXT8200D: 8200g in 0.1g, Pan 200x200mm RRP \$2885

ANALYTICAL with Fluorescent Display

PRXT220A: 220g in 0.0001g, Pan 80mm round RRP \$2995
 (Wind shield height 270mm with remote access from 3 sides)

XT Series





Laboratory Equipment, Stirrers & Hotplates



Ika 'Lab Disc' Magnetic Stirrer– White

Ultra-flat (12mm high) compact magnetic stirrer, guaranteed with modern magnet coil technology. Wear-free drive with no moving parts. The lab disc can reverse direction of rotation automatically every 30 seconds to ensure better mixing.

- High IP Moisture Proof protection class (IP 65) (up to 80% RH)
- 90mm Set-up plate and casing made from chemically resistant polyester
- Stir up to 800ml from 15 to 1500rpm

327770: RRP \$359 **Sale Price \$329**



lab disc

Ika 'SQUID' Magnetic Stirrers

Small & Large magnetic stirrers without heating, in a range of bright motifs. Very good chemical resistance due to glass top and synthetic bottom made of Hytrel®. Electronically controlled variable speed dial from 0 - 1,500 rpm.

Small Squids: 110mm Top Plate

2669917: Small Squid stirs up to 800ml 'White' RRP \$229 **Sale Price \$179**

2669913: Small Squid stirs up to 800ml 'Zip' RRP \$229 **Sale Price \$179**

2669910: Small Squid stirs up to 800ml 'Harry's Notes' **Sale Price \$179**

Big Squids: 160mm Top Plate

3050005: Big Squid stirs up to 1.5L 'IKAmaleon' RRP \$499 **Sale Price \$439**



Hotplate & Magnetic Stirrer *(digital Control add \$360)

MSH90	140 H x 150 W x 240 D mm	\$480
MSH90T	Teflon Coated	\$548
SH20	200 x 200 mm	\$598
SH20T	Teflon Coated	\$658
SH30	300 x 300 mm	\$730
SH30T	Teflon Coated	\$826

Hot Plates

Durable hotplates available in a range of sizes with temperature uniformity over the whole top plate. Bodies made from enamel coated steel.

Plate Size	Cast Iron	Aluminium	Teflon Coated Al.
13 cm diameter		203A \$ 233.00	203T \$ 287.00
20 cm diameter	202 \$ 261.00		
20 x 20	208 \$ 291.00		
23 x 23	204 \$ 280.00	204A \$ 328.00	204T \$ 384.00
30 x 30	209 \$ 376.00	209A \$ 485.00	209T \$ 546.00
46 x 26	201 \$ 452.00	201A \$ 532.00	201T \$ 613.00
46 x 30	210 \$ 520.00	210A \$ 624.00	210T \$ 715.00
61 x 30	207 \$ 728.00	207A \$ 744.00	207T \$ 868.00
61 x 50	206 \$1,408.00	206A \$1,372.00	206T \$1,499.00



Cast Iron Top: max 500°C
Aluminium Top: max 300°C
Teflon Coated : max 280°C

Magnetic Stirring Bars & Retrieving Rods with PTFE Coating



Code	Ø mm	Length mm	Price
750	4.6	11.7	\$3.30
756	6	20	\$3.80
757	6	25	\$4.10
758	6.2	30	\$4.75

Code	Ø mm	Length mm	Price
764	8	40	\$8.50
704	9.6	60	\$10.00
705	9.8	70	\$12.00
710	11	300 Rod	\$16.00



Laboratory Equipment, Shakers & Mixers

Multi-Place Magnetic Stirrers

These magnetic stirrer banks are designed especially for labs that spin multiple samples at any one time. They come in either 5 or 10 x 250ml flask capacity and replace the need for multiple magnetic stirrers and saves important bench space. With all samples being spun on the one unit the operator can easily control the mixing speed for consistent mixing amongst all samples. These units offer quiet and durable operation with variable speed control. Units are powder coated to protect against staining. ST5: 5 place, W110 x D560 x H60mm RRP \$1299, **Sale Price \$1169** ST10: 10 place, W205 x D560 x H60mm RRP \$1659



Rocking Mixer

An economical durable & easy to use rocking mixer. Simple on/off operation allows the mixer to operate continuously & quietly in a gentle rocking motion. Steady operation at 17rpm allows for gentle mixing of samples. The rocking tray comes complete with a moulded rubber mat for easy sample loading of up to 16 x 15ml tubes in the pre-formed grooves.

MIXROC: Platform size: 115w x 300d x 5h mm RRP \$560



Vortex Mixer

A durable, easy to use Australian made general purpose vortex mixer. Two operating modes allow the mixer to operate continuously, or by applying downward pressure to the cup when inserting a tube. Speed is controlled from 200 to 2400 rpm electronically, to provide gentle to vigorous mixing for most test tubes. The case is a one piece moulding, and the mixing cup is of high grade silicone rubber.

VM1: Laboratory Vortex Mixer **RRP \$320**



Finevortex Mixer

This versatile vortex mixer comes with a very handy universal rack that will accommodate 1.5ml, 15ml, 50ml tubes and up to 250ml flasks in standard operation. The unique rack with elastic tie design also allows for 4x1.5ml or up to 1x15ml tubes to be fixed to the rack for continuous hands free mixing. Also included is a rubber pad that allows for easy conversion to a disc head mixer. This unit is made with a high quality & powerful 46 watt motor that allows for durable and quite operation from 0-3000rpm. Two operating modes allow the mixer to operate continuously, or by applying downward pressure to the head when inserting a tube.

Finevortex-W: White unit, Dim: 145Wx175Dx140Hmm RRP \$399; **HOT Sale Price \$299**



Multi Tube Vortexer

These units have been exhaustively tested in medical and blood service laboratories to produce a platform vortexer of the highest reliability and functionality. Tubes are placed in racks on non skid platform and clamped down using the top platform for batch mixing.

- Solid state smooth speed control from 750-3000rpm.
- Rotation orbit 4mm diameter.
- LCD Digital Timer with countdown or pulse mode.
- Mix multiple tubes in racks for large batch assays
- Chemically resistant, easy-to-clean body construction.
- Four non-skid rubber feet contribute to stability.

MTV1: **Multi Tube Vortexer \$2,299**





Laboratory Equipment, Rotator & Mixers



Rotary Suspension Mixer

This versatile rotary mixer can be supplied with a wide range of interchangeable rotors & roller drums to fit from micro test tubes up to 250ml flasks and with the unique post mounting system can be assembled to hold up to two rotors simultaneously for greater versatility and productivity. The end over end action can be eased or amplified with the variable angle adjustment (0°~ 90°) for greater care of samples and offers a variable speed range from 0-50 rpm. The unit can be run continuously or set via a dial timer for up to 3 hours.

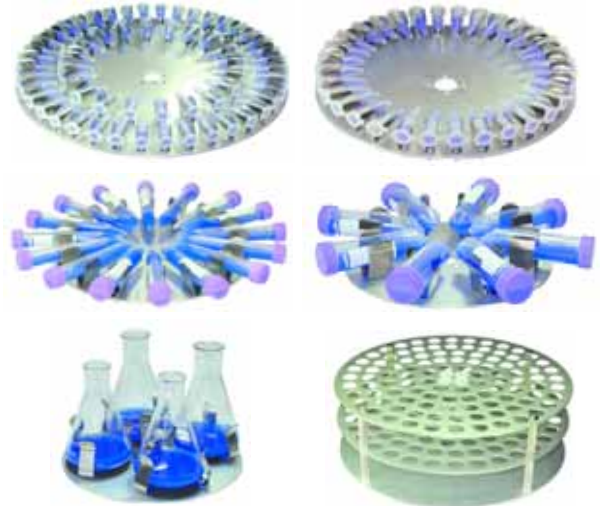
AG: Dim W220×D270×H245mm, weight 7kg, no rotor

RRP \$922 Sale Price \$779



S.S. Rotor Disks & S.S. Drums for Suspension Mixer

Code	Description	RRP	Sale
D50-8	Rotor Disk, 8 x 50ml clips with PO-4	\$129	\$119
D15-16	Rotor Disk, 16 x 15ml clips with PO-4	\$149	\$119
D15-24	Rotor Disk, 24 x 15ml clips with PO-4	\$219	\$199
D1.5-32	Rotor Disk, 32 x 1.5ml clips with PO-4	\$199	\$179
D1.5-60	Rotor Disk, 60 x 1.5ml clips with PO-4	\$339	\$299
D250-4	Rotor Disk, 4 x 250ml flask clips	\$149	\$129
RD16-151	Roller Drum, 0~15mm diameter tube -capacity 151ea	\$549	\$499
RD18-104	Roller Drum, 0~17mm diameter tube -capacity 104ea	\$549	\$499
RD25-42	Roller Drum, 0~24mm diameter tube -capacity 42ea	\$549	\$499
PO-4	4 Post for installing two rotor disks (with 4 knobs)	\$45	\$39



Rotator Mixer / Suspension Mixer / Rocker

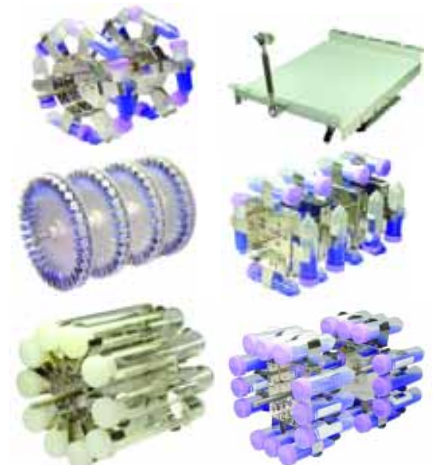
This versatile rotator mixer can be supplied with a wide range of interchangeable rotisseries or rocking platform and the angle can be adjusted (0°~ 90°) so it can double as a suspension mixer taking the same rotors & roller drums as the AG suspension mixer. The HAG offers a variable speed range from 0-50 rpm & can be run continuously or set via a dial timer for up to 3 hours.

HAG: Dim W470×D270×H245mm, weight 8kg, no rotor

RRP \$1190, Sale Price \$990

Rotisseries (without bottle & tube)

RT-4	80mm Diameter x 200mm length bottle - capacity 4ea	\$192.00
RT-6	60mm Diameter x 200mm length bottle - capacity 6ea	\$238.00
RT-10	40mm Diameter x 200mm length bottle - capacity 10ea	\$262.00
RT-8V	50ml conical tube - capacity 8ea ; vertical mount	\$211.00
RT-16V	50ml conical tube - capacity 16ea ; vertical mount	\$299.00
RT-24H	50ml conical tube - capacity 24ea ; horizontal mount	\$269.00
RT200-64	1.5ml centrifuge tube - capacity 64ea	\$447.00
RT200-96	1.5ml centrifuge tube - capacity 96ea	\$692.00
RT200-128	1.5ml centrifuge tube - capacity 128ea	\$849.00
RT300-120	1.5ml centrifuge tube - capacity 120ea	\$768.00
RT300-180	1.5ml centrifuge tube - capacity 180ea	\$1,226.00
RT300-240	1.5ml centrifuge tube - capacity 240ea	\$1,427.00
RK-HAG	Rocking platform (W285 x D195 x H65), tilt angle ±7°	\$229.00





Laboratory Equipment, Shakers & Mixers

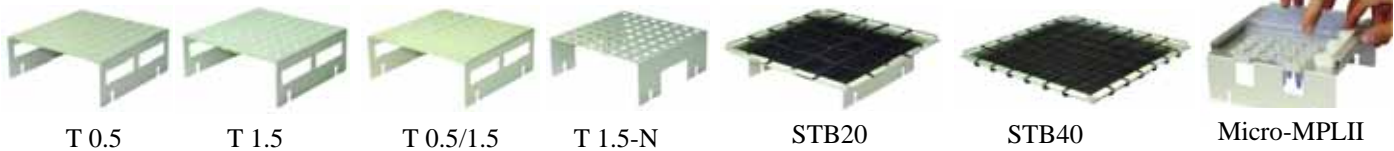


Compact Mixer

This versatile compact mixer is available with a wide range of interchangeable plates. It has an orbit range of 3mm, variable speed of 0~2000rpm and a 60 minute timer or continuous mixing.



Code	Description	RRP	Sale
SH2000	Mixer, 230V (without tube rack)	\$890	\$799
T 0.5	Tube Rack, 0.5ml centrifuge tube - 64ea	\$147	\$129
T 1.5	Tube Rack, 1.5ml Eppendorf tube - 65ea	\$147	\$129
T 0.5/1.5	Tube Rack, 0.5mm-32ea/ 1.5ml - 32ea	\$147	\$129
T 1.5-N	Tube Rack, 1.5ml centrifuge tube - 64ea, No silicon ring	\$119	\$107
STB20	Mini shaking platform with tie system / Micro plate - 2ea	\$130	\$107
STB40	Mini shaking platform with tie system / Micro plate - 6ea	\$150	\$135
Micro-MPLII	Micro well plate rack - capacity 2ea	\$260	\$234



Compact Mixer with Incubation

This unit combines the versatile compact mixer with a self contained incubation chamber with a temp range of Amb +5°C~95°C. It has an orbit range of 3mm, variable speed of 0~2000rpm and a 60 minute timer. The SH2000DX takes the same range of interchangeable plates as the SD2000.

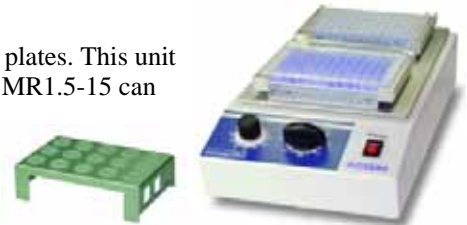
Code	Description	RRP	Sale
SH2000DX	Thermo Mixer, 230V (with tube rack - T1.5) *	\$3,390	\$2,999

* See SH2000 for range of optional interchangeable plates (STB20 & STB40 excluded)

2 Microplate Mixer

This space saving compact mixer features a vibrating motion for mixing two microtitre plates. This unit offers variable speed control from 0~2000rpm and has a 60 minute timer. The optional MR1.5-15 can be attached to allow for mixing up to 30 micro test tubes.

Code	Description	RRP	Sale
MX2	Micro Mixer, for two Microplates	\$948	\$864
MR1.5 -15	Tube Rack, 15 x Eppendorf tubes	\$80	\$66



4 Microplate Mixer

This mixer features a 3mm mixing action for mixing up to 4 microtitre plates, offers variable speed control from 300~1400rpm (or deepwell 300~1000rpm) and has a handy 180 minute timer. The optional MR1.5-15 tube rack can be used for mixing up to 60 micro test tubes.

Code	Description	RRP	Sale
MX4	Micro Mixer, for four Microplates	\$1,292	\$1089
MX4T	Micro Mixer, for four Microplates & Digital Display	\$1,899	\$1,799
MR1.5 -15	Tube Rack, 15 x Eppendorf tubes	\$80	\$66



4 Microplate Mixer with Incubation Chamber

This unit combines the 4 Microplate Mixer with a self contained incubation chamber with a temp range of Amb +5°C~65°C. The MXi4T offers a 3mm mixing action, variable speed control of 300~ 1400rpm (or deepwell 300~1000rpm) and has a handy 180 minute digital timer. The optional MR1.5-15 tube rack can be used for mixing up to 60 micro test tubes.

Code	Description	RRP	Sale
MXi4T	Micro Thermo Mixer with Digital Display	\$3,800	\$2,499
MR1.5 -15	Tube Rack, 15 x Eppendorf tubes	\$80	\$66





Laboratory Equipment, Platform Mixers



Rocking Platform Mixer

This rocking platform mixer has a smooth tilt action to suit a range of mixing and washing applications & offers a 180 minute timer or continuous operation. A solid state speed control gives reliable operation at any speed from 0~50 rpm. The 300mm or 400mm square platform is mounted on a central pivot, and is set to provide a tilt angle of 9° each way from horizontal.

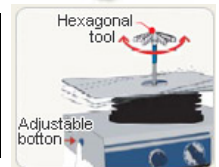
Code	Description	RRP	Sale
CR300	Rocker 300x300mm	\$1,190	\$1,089
CR300T	Rocker 300x300mm, digital tacho	\$1,690	\$1,490

3D Orbital Mixer (Twist) & Adjustable Angle Mixer

This twist platform mixer has a smooth 3D orbital action to suit a range of mixing and washing applications & offers a 180 minute timer or continuous operation. A solid state speed control gives reliable operation at any speed. On the TW3 models the 300mm or 400mm square platform offers a unique removable 'elastic tie grid' system for easy loading and unloading of samples while on the FMS3 is provided with a dual reversible flat/dimpled rubber mat.



Code	Description	Platform	Speed	Twist Angle	RRP	Sale
TW3	Twist Mixer	30x30cm rubber/grid	0~60rpm	Fixed 7°	\$1,249	\$1,090
TW3T	Twist Mixer with digital tacho	30x30cm rubber/grid	0~60rpm	Fixed 7°	\$1,790	\$1,649
FMS3	18mm Orbit & Twist Shaker	30x30cm rubber/dimple	30~300rpm	Adjustable 0-20°	\$1,999	\$1,799



Orbital Mixer

This orbital mixer has a smooth 14mm orbital action to suit a range of simple mixing applications & offers a 180 minute timer or continuous operation. A solid state speed control gives reliable operation at any speed from 0~300 rpm. The 300mm or 400mm square platform offers a unique removable 'elastic tie grid' system for easy loading and unloading of samples without the need for numerous mounting clips.



Code	Description	RRP	Sale
SH30	Orbital Mixer 300x300mm	\$1,798	\$1,349
SH30T	Orbital Mixer 300x300mm, digital tacho	\$2,290	\$1,969



Reciprocating Mixer

This reciprocating mixer has a smooth 30mm reciprocating action to suit a range of mixing applications & offers a 180 minute timer or continuous operation. A solid state speed control gives reliable operation at any speed from 0~300 rpm. The 300mm or 400mm square platform offers a unique removable 'elastic tie grid' system for easy loading and unloading of samples without the need for numerous mounting clips.

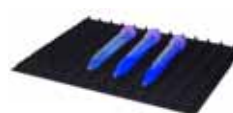


Code	Description	RRP	Sale
SH30L	Reciprocating Mixer 300x300mm	\$2,149	\$1,888
SH30LT	Reciprocating Mixer 300x300mm, digital tacho	\$2,549	\$2,380

Accessories for Platform Mixers

These range of accessories suit the FinePCR range of platform mixers to add to their versatility & capacity.

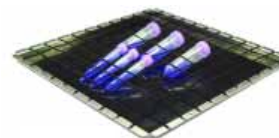
Code	Description	RRP	Sale
D-pad300	Dimpled mat (W300 x D300mm)	\$55	\$49
UP-400	Upper platform 400x400mm	\$268	\$239
TY-300	Second Platform 300x300 with posts	\$159	\$143
FR250-9	Platform with 9 x 250ml flask clips	\$330	\$299



D-pad300



TY300



UP-400



FR250-9



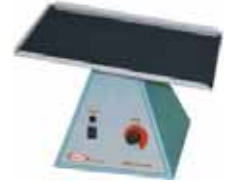
Laboratory Equipment, Shakers & Mixers



Gyratory Mixer

A platform mixer with a gyratory motion also known as a "Belly dancer action". The platform tilts in the horizontal plane through 360° to provide a gentle mixing action in tubes and flat bottom containers. The ribbed rubber mat retains small tubes to prevent rolling when laid horizontally. Speed 0-60 rpm

GM1 \$950



Multimixer

A compact variable speed orbital mixer, with a platform size of 180 x 180mm, fitted with a non slip mat. Ideal for gentle agitation in small flasks, test tubes, petri dishes etc. The platform has threaded inserts, that enable custom racks and trays to be fitted if required.

MM1 \$ POA

Microtitre Plate Shaker

A high speed microtiter plate shaker, with variable speed to suit most mixing requirements. Up to 4 x 96 well microtiter plates can be used at one time, on the easy to load platform. The wide speed range and 3mm orbit diameter ensures efficient mixing in all wells.

MPS1 \$1060



Orbital Mixer

This low cost general purpose mixer has a 350 x 350mm platform and is suited to a range of basic mixing applications. The robust construction makes this mixer ideally suited to a variety of mixing tasks. The platform is mounted on precision ball bearings and is driven by a brushless ac motor for smooth, quiet operation. Variable speed between 20 and 200 rpm

EOM5 \$1,190

Rocking Platform Mixer

A low cost bench top rocking platform mixer with a variable tilt action to suit a range of mixing and washing applications. A solid state speed control gives reliable operation at any speed from 0 to 40 rpm. The 350mm square platform is mounted on a central pivot, and is set to provide a tilt angle of 10° each way from horizontal.

ERPM4 \$1,240



Reciprocating Mixer

Low noise bench top mixer with a reciprocating action ideal for bottles, flasks, separating funnels, etc. The 350mm square platform is mounted on a new belt driven roller system, for smooth and trouble free operation. An all new custom microprocessor controlled drive system complete with digital tachometer and timer, ensure repeatability. Speed from 20 to 200rpm.

RM2 \$1,950

Rocking Platform Mixer

This rocking platform mixer has a variable tilt action to suit a range of mixing and washing applications, with a speed range of 4-40 RPM. The microprocessor controlled drive system is complete with digital tachometer and timer to ensure reliable and repeatable procedures.

RPM5 \$1,640



Rotary Suspension Mixer - (now with adjustable angle disc from horizontal to vertical)

This rotary mixer can be supplied with clips to hold a range of 10~30mm size test tubes. The end over end action, with a variable speed range 0-60 rpm, is suitable for a variety of mixing applications including blood mixing. Clip discs are easily removable, and interchangeable with RSM6. The special drive system allows for the disc to be stopped for tube placement, without stopping the motor. For heavier or uneven loads the disc can be locked.

RSM7 \$920



Laboratory Equipment, Magnifying Lamps



11 Watt
1000Lux

Bench Laboratory Magnifier Lamps

Compact Magnifier Lamp

This compact magnifier lamp has a 88mm diameter lens that provides 3 dioptre magnification, and a flexible 300mm gooseneck for positioned the lens to suit your application. Features a 11Watt providing 1000Lux circular fluoro light & a convenient On/Off switch positioned on a quality ABS base.

MAGLAMC: Compact Bench Model in Black 240V: RRP \$49.95, **Special \$34.90**
MAGLAMC-L: Spare Lamp \$8.90

Heavy Duty Magnifier Lamp

This magnifier lamp has a 115mm diameter lens that provides 3 dioptre magnification, and a stand that features a quality steel cantilever arm and two swivel joints enabling the magnifier lens to be positioned on almost any angle desired. Features a **22Watt circular fluoro light providing 1000Lux** which is housed under a clear protective screen, a convenient On/Off switch positioned on a quality ABS head. Heavy base provides stability for bench use.

MAGLAMB: Bench Model as pictured 240V: RRP \$199, **Special \$ 99**
MAGLAMD: Clamp On Bench Model 240V: RRP \$199, **Special \$169**
MAGLAMB-L: Spare Lamp \$12.90



22 Watt
1000Lux

Up to 50% Off



18 Watt
1000Lux

New Larger "WIDE SCREEN" Lens Magnifier Lamp

This new desk magnifier lamp design offers a larger more pleasant work screen with its 187x155mm lens that provides 3 dioptre magnification, and a stand that features a quality steel cantilever arm and two swivel joints enabling the magnifier lens to be positioned on almost any angle desired. Features **two 9 Watt fluoro lights providing 1000Lux** which is housed under two clear protective screens and a convenient On/Off switch positioned on a quality ABS head. Heavy base provides stability for bench use.

MAGLAMB-D: Large Lens Bench Model 240V: RRP \$249, **Special \$149**
MAGLAMB-DL: Spare Lamp \$8.90

New Large "WIDE SCREEN" Lens "LED" Magnifier Lamp

- LED is 70% cheaper to run than traditional fluoro lamps
- Instant start up
- Never need to replace fluoro globes again

This new clamp on desk magnifier lamp design offers a larger more pleasant work screen with its 187x155mm lens that provides 3 dioptre magnification, and a stand that features a quality steel cantilever arm and two swivel joints enabling the magnifier lens to be positioned on almost any angle desired. Features **80 LED 'long life' lights providing 1000 Lux** which is housed under two clear protective screens and a convenient On/Off switch positioned on a quality ABS head. Heavy duty clamp provides extra stability for on bench use.

MAGLAMC-LED: LED Clamp on Bench Model : RRP \$229, **Special \$139**



6.5 Watt
1000Lux

New



Laboratory Eco Centrifuges & Spectrophotometers



Low Cost Microhematocrit Centrifuge

This entry level centrifuge is suitable for low volume Microhematocrit work. The unit is simple to use, small in size and quiet to run. Construction: Alluminum alloy
Max Speed: 11000 rpm; Timer: 0-15 minutes
Rotor: 4x75mm-Place Microhematocrit Rotor

ZIPOCRIT: RRP \$599, **Special Price \$ 499**

Low Cost Micro Centrifuge

This entry level centrifuge is suitable for low volume Micro Tube work. The unit is simple to use, small in size and quiet to run. Construction: Alluminum alloy
Max Speed: 7000 rpm (2700g); Timer: 0-15 minutes
Rotors: 6 x 1.5ml and 12 x 0.5ml angles rotors included

ZIPSPIN: RRP \$599, **Special Price \$ 499**



Low Cost 15 & 50ml Tube Centrifuge

This simple to use centrifuge is suitable for low volume 10-15ml & 50ml tube work. The unit features a digital speed display is small in size and quiet to run. The unit features a Safety lock, variable speed and a 30 min timer.
Max Speed: 2800rpm; Max RCF: 1350 x g

SWING3K : Swing 8x15ml buckets \$ 1500 **Special Price \$ 990**

SWING3K-50 : optional swing rotor for SWING3K with 4x50ml buckets \$220

High Speed 15 & 50ml Tube Centrifuge

This high speed centrifuge is suitable for low volume 10-15ml & 50ml tube work. The unit features a digital speed and time display is small in size and quiet to run. The unit features a Safety lock, variable speed and a digital 99 min timer.
Max Speed: 5000rpm; Max RCF: 4100 x g

SWING5K : Swing 8x15ml buckets \$ 2900 **Special Price \$ 1990**

SWING5K-50 : optional swing rotor for Swing5K with 4x50ml buckets \$320



Low Cost Vis Spectrophotometers

This spectrophotometers and specifically designed for the education market or the first time user and offers excellent performance for a low price. The front panel includes basic operating instructions for easy use. This unit offers reliability and comes with a four cell holders.

Wavelength Range: 325-1000nm; Wavelength Acc.: ± 2.0

Display: LCD; Size: 19cm x 28.7cm x 31cm

V325ED: 325-1000nm, Bandwidth 10.0nm \$ 990

UV & Vis Spectrophotometers

This spectrophotometers and specifically designed for the budget conscious lab with a job to do. This unit offers excellent value, reliability and comes with a four cell holder.

Wavelength Range: 200-1000nm or 320-1000nm; Wavelength Acc.: ± 2.0

Stability: $\pm 0.002A @ 500nm$

Display: 2 line LCD, 20 character; Size: 18cm x 45.2cm x 35cm

V200RS: 320-1000nm, RS232, Bandwidth 4.0nm \$2199

UV200RS: 200-1000nm, RS232, Bandwidth 5.0nm \$2899





Laboratory Equipment - Clements Centrifuges



Orbital 160 Microcentrifuge / Microhaematocrit

Clements Orbital 160 microcentrifuge is a versatile, compact, high performance centrifuge, featuring accurate digital timing, precise speed control and a simple to navigate touch panel with highly visible LED display. The Orbital 160 is suitable for routine clinical and laboratory applications and with an optional microhaematocrit rotor, it is ideal for Veterinarians and livestock breeders for measuring packed cell volume (P.C.V.) of whole blood.

- Max Speed 16,500 rpm - (subject to rotor selection)
- Max RCF 18,360g - (subject to rotor selection)
- Timer 0-99 min
- Digital LED display with Soft touch control panel
- Electronic lid interlock with alarm
- Adjustable acceleration and deceleration
- RCF and RPM display
- Size 195H x 305D x 255W mm; 8 kg

Code	Description	Max RPM	Max RCF	RRP
CEN 90200	Orbital 160 Centrifuge (rotor not included)			\$1,612
CEN 90200 001	Angle rotor for Orbital 160 (12 x 1.5/2.2 ml)	16,500	18,360g	\$405
CEN 90200 002	Angle rotor for Orbital 160 (8 x 5 ml)	13,500	12,300g	\$405
CEN 90200 003	Microhaematocrit rotor (12 place)	12,000	13,000g	\$462
CEN 96226	Linear type capillary reader	-	-	\$153

Orbital 260 Microcentrifuge

Clements Orbital 260 offers accurate, high speed performance, flexible rotor configurations and ease of navigation and operation. With a maximum RCF of 18,930 g and choice of rotors, the Orbital 260 is ideal for high speed centrifugation of tubes ranging from microhaematocrit capillary tubes up to 4 x 50 ml tubes.

- Max Speed 16,500 rpm - (subject to rotor selection)
- Max RCF 18,930g - (subject to rotor selection)
- Timer 0-99 min
- Stainless steel bowl
- 25 user defined programs
- Back lit LCD display with Soft touch control panel
- Electronic lid interlock with alarm
- Adjustable acceleration and deceleration
- Simultaneous RPM and RCF display
- Size 325H x 420D x 325W mm; 18 kg



Code	Description	Max RPM	Max RCF	RRP
CEN 91800	Orbital 260 Centrifuge (rotor not included)			\$2,698
CEN 91800 005	Angle rotor for 260 (48 x 0.5 ml)	13,500	13,810	\$1,370
CEN 91800 001	Angle rotor for 260 (12 x 1.5/2.2 ml)	16,500	18,930	\$447
CEN 91800 004	Angle rotor for 260 (24 x 1.5/2.2 ml)	13,500	16,280	\$1,271
CEN 91800 002	Angle rotor for 260 (10 x 5 ml)	13,500	12,300	\$731
CEN 91800 003	Angle rotor for 260 (12 x 10 ml)	12,300	15,500	\$1,491
CEN 91800 008	Angle rotor for 260 (6 x 50 ml)	11,000	12,000	\$2,343
CEN 91800 006	Swing rotor for 260 (4 x 10 ml)	6,000	3,200	\$731
CEN 91800 007	Microtitre Small Plate rotor for 260 (2 x 2x 48 well)	3,000	1,400	\$589
CEN 91800 009	Microhaematocrit rotor for 260 (24 Place)	12,000	14,800	\$568



Laboratory Equipment - Clements Centrifuges



Orbital 360

When basic bench top centrifuge functions are required at an economical price then the all new Orbital 360 is the answer. Designed to withstand the rigorous demands of today's laboratories, the Orbital 360 is simple to operate with intuitive touch pad programming combined with the clarity of an LED display. All with a versatile selection of rotors and carriers is offered to suit tubes from 5 ml to 50.

- Max Speed 5,000 rpm - (subject to rotor selection)
- Max RCF 4,100g - (subject to rotor selection)
- Timer 0-99 min with Pulse Function
- Stainless steel bowl
- Digital LED display with Soft touch control panel
- Electronic lid interlock with alarm
- Adjustable acceleration and deceleration
- RCF and RPM display
- Size 250H x 432D x 370W mm; 15 kg

Code	Description	Max RPM	Max RCF	RRP
CEN 91700	Orbital 360 Centrifuge (rotor not included)			\$2,414
CEN 91700 001	Angle rotor for Orbital 360 (24 x 10 ml)	4,000	2,580	\$341
CEN 91700 003	Swing rotor for Orbital 360 (24 x 5 ml)	5,000	4,100	\$497
CEN 91700 002	Swing rotor for Orbital 360 (12 x 15 ml)	5,000	4,100	\$497
CEN 91700 004	Swing rotor for Orbital 360 (4 x 50 ml)	4,200	2,760	\$497

Orbital 460

The Orbital 460 offers precise and versatile bench top centrifugation. Featuring clear and intuitive navigation, an easy to read LCD screen, a soft touch keypad and the option of up to 25 user defined programs, the Orbital 460 ensures consistency and simplicity of operation. Stainless Steel bowl for easy cleaning.

- Max Speed 5,500 rpm - (subject to rotor selection)
- Max RCF 5,310g - (subject to rotor selection)
- Timer 0-99 min
- 25 user defined programs & 9 acceleration and deceleration profiles
- Back lit LCD display with RPM and RCF display
- Electronic lid interlock with alarm
- Size 380H x 560D x 470W mm; 42 kg



Code	Description	Max RPM	Max RCF	RRP
CEN 92300	Orbital 460 Centrifuge (rotor not included)			\$4,970
CEN 92300 001	Angle rotor for Orbital 460 (12 x 10 ml)	5,500	5,310	\$1,207
CEN 92300 013	Swing 'Rotor 4' for Orbital 460 (buckets not included)	4,200	3,100	\$568
CEN 92300 020	-Bucket, (4 x 12 x 5ml/10ml) for Orbital 460 Rotor 4			\$710
CEN 92300 018	-Bucket, (4 x 8 x 7ml/10ml/15ml) for Orbital 460 Rotor 4			\$639
CEN 92300 016	-Bucket, (4 x 2 x 50 ml) for Orbital 460 Rotor 4			\$497
CEN 92300 017	-Bucket, (4 x 2 x 100 ml) for Orbital 460 Rotor 4			\$497
CEN 92300 004	Swing 'Rotor 3' for Orbital 460 suit multi-adaptor open buckets	4,000	3,040	\$1,136
CEN 92300 032	-Microtitre Plate buckets for Orbital 460 (4 x 2 x 96 Well Plates)	4,000	2,200	\$1,420
CEN 92300 005	-Multi-adaptor open buckets for 460 (Set of 4)			\$1,420
CEN 92300 008	+Multi-adaptor (4 x 20 x 10ml) for Orbital 460 Swing Rotor 3			\$426
CEN 92300 010	+Multi-adaptor (4 x 10 x 15ml Falcon) for Orbital 460 Swing Rotor 3			\$426
CEN 92300 012	+Multi-adaptor (4 x 4 x 50ml Falcon) for Orbital 460 Swing Rotor 3			\$426



Laboratory Equipment - Clements



Microhaematocrit Benchtop Centrifuge

Efficient centrifuge for reading Packed Cell Volume (PCV) of whole blood. Comes with 24 place head for large volume runs. Digital Timer & Display with memory allows for easy use. RCF: 15,500g max
Capacity: 24 x 1.75mm capillary tubes
Manual Lid Lock
Easy to use sliding PCV Reader included
CEN96222: Microhaematocrit Centrifuge RRP \$1990

Coombs Test Benchtop Centrifuge

The Coombs Test centrifuge is designed to prepare washed red blood cells for the negative Coombs Test. The head can be lifted off for loading on the bench and a tube retaining disc is fitted to enable the head to be turned upside down to expel saline without losing the tubes. Ideal for blood grouping, typing, cross matching as well as spinning down samples of whole blood, urines & other body fluids. The Coombs Test Centrifuge offers a verifiable, repeatable & economic process for the preparation procedures.

CEN96225: Coombs Test Centrifuge RRP \$1990



CarriVac Portable Suction Pump

Typical Application - Emergency, laboratory or light industrial
Vacuum range 0 to -80kPa (-600 mmHg)
Flow 24 litre/minute
Alternate power sources: 220-240V, 12V DC (external) and Internal 12V Battery
Battery run time - 60 mins (standard battery) or 90 mins (extended battery)
Internal battery charger
Dual scale gauge in kPa and mmHg
Powerful diaphragm vacuum pump and motor combined
1 litre autoclavable polycarbonate suction canister with overflow valve
External bacteria filter protection
Quiet, vibration free operation with ergonomic design and robust construction
SUC 81010 CarriVac, 12V 4.5ah Battery with 60 min run time RRP \$1,599
SUC 81014 CarriVac, 12V 7ah Battery with 90 min run time RRP \$1,749

HiVac High Suction Pump

Typical Application - Emergency, laboratory or industrial
Vacuum range 0 to -98kPa (0 to -735 mmHg)
Flow 32 litre/minute
Power Source 220-240V / 50/60 Hz
Dual scale gauge in kPa and mmHg
Powerful high quality oil-less twin piston vacuum pump
Twin 2 litre autoclavable polycarbonate suction canisters with overflow valve
Hydrophobic and bacteria filter protection
Quiet, vibration free operation
Ergonomic design and robust construction with Optional remote footswitch
SUC 81010 HiVac, 240V RRP \$2,995





Laboratory Equipment, Waterbaths

Water Bath

Snap action thermostat controlled water bath with zinc seal coated steel with S.S. interior. Exterior finished in light cream enamel. System incorporates push button reset overheat protection.

Temp range Amb +5°C to 100°C

Dial Controls, supplies with Flat Lid:

WB3-F: 12L Int. dim: 255 L x 255 W x 220mm D \$ 1236

WB5-F: 18L Int. dim: 380 L x 255 W x 220mm D \$ 1266

WB7-F: 23L Int. dim: 500 L x 255 W x 220mm D \$ 1312

Dial Controls, supplies with GABLE Lid:

WB3-G: 12L Int. dim: 255 L x 255 W x 220mm D \$ 1456

WB5-G: 18L Int. dim: 380 L x 255 W x 220mm D \$ 1526

WB7-G: 23L Int. dim: 500 L x 255 W x 220mm D \$ 1570

DIGITAL Controls, supplies with Flat Lid:

WB3D-F: 6L Int. dim: 265 L x 250 W x 150mm D \$ 1260

WB5D-F: 13L Int. dim: 325 L x 265 W x 150mm D \$ 1332

WB7D-F: 26L Int. dim: 530 L x 325 W x 150mm D \$ 1399



Water Bath Digital

Digital PID solid state temperature controlled, all stainless steel Water Bath.

Model	NBCT2	NBCT5	NBCT7	NBCT9	NBCT11
Int Dim LxWxD cm	30x23x12	30x23x17	32x30x17	50x30x17	59x49x17
Ext Dim LxWxD cm	40x37x27	40x37x27	40x38x27	67x38x27	75x52x27
Temp. Min	Amb+5°C	Amb+5°C	Amb+5°C	Amb+5°C	Amb+5°C
Temp. Max	100°C	100°C	100°C	100°C	100°C
Capacity (L)	8	12	16	25	44
Power (W)	750	750	1200	2000	2400
Weight (kg)	10	15	20	22	33
Price	\$800	\$820	\$885	\$905	\$1,295

Options:

NBCT-AGS: Acrylic Gabled Lid with Handle for NBCT 2,5,7 \$134

NBCT-AGM: Acrylic Gabled Lid with Handle for NBCT9 \$155

NBCT-AGL: Acrylic Gabled Lid with Handle for NBCT11 \$280

NBCT-SGS: Stainless Gable Lid to suit NBCT2,5,7,9 \$305

NBCT-SGL: Stainless Gable Lid to suit NBCT 11 \$370

Other options: circulation pump, top mounted stirrer, shaking baths, large capacity to 170L.

Clinical Incubators 5L & 10L

Clinical incubator with satin finish stainless steel interior with chrome plated perforated shelves & enamel finished zinc sealed steel exterior. Gravity Convection Acc: Chamber typically $\pm 0.5^\circ\text{C}$.

IGCL 5L: Hydraulic Therm control, Amb +5 °C to 50 °C

Int. diam: 198 H x 214 W x 120mm D, with 3 shelves \$ 996

14G 10L: Solid state Therm control, Amb +5 °C to 80 °C

Int. diam: 200 H x 250 W x 200mm D, with 2 shelves \$ 1156

Options: Fan Circulation; Digital Control; 12V power on IGCL 5L





Laboratory Equipment– Refrigeration

ARCTIKO
by DAIREI

Ultra Low Upright Freezers: ULUF SERIES -85/-40°C

The new ULUF series is a product of our passion, to strive after excellence when we offer the best in Ultra low temperature freezing. Once again we set new standards with the most user friendly controller in the market. Features as non-manipulative data logger and USB readout are just some of the features that comes as standard in the ULUF series.

MODEL	ULUF 400	ULUF 450
Item code	DAI1407	DAI1408
Dimensions exterior (mm)	720x755x2089	720x755x2089
Net capacity (L)	390	390
Temperature range (°C)	-20/-40	-40/-85
Power Supply (V)	230	230
Frequency (Hz)	50/60	50/60
Price	\$12,990	\$12,990



With its massive 780L the new ULUF series are still the most versatile Ultra low freezer in the market. From the possibility to disassemble for easy installation, to multiple temp ranges at once Arctiko once again sets the standards in the Ultra low temperature freezing.

MODEL	ULUF 800	ULUF 850
Item code	DAI1409	DAI1411
Dimensions exterior (mm)	1500x755x2083	1500x755x2083
Net capacity (L)	780	780
Temperature range (°C)	-20/-40	-40/-85
Power Supply (V)	230	230
Frequency (Hz)	50/60	50/60
Price	\$20,890	\$20,890

Experience a Danish design icon with a multifunctional controller, ergonomic usage and many alarm features for the extra security. With direct cooling in each compartment, the UPUL series ensures high temperature uniformity from top to bottom.

MODEL	UPUL 540	UPUL 580
Item code	DAI1406	DAI1404
Dimensions exterior (mm)	678x785x2162	678x785x2162
Net capacity (L)	450	450
Temperature range (Degrees)	-20/-40	-40/-85
Price	\$13,990	\$14,990



UPLTF is designed for easy access and reliable storage at low temperatures. Sealed drawers with transparent fronts, ensures a good overview of your samples, and with direct cooling above each drawer the temperature is stable while the door is open.

MODEL	UPLTF 90	UPLTF 275
Item code	DAI370	DAI375
Dimensions exterior (mm)	544x623x842	595x570x1760
Net capacity (L)	90	270
Temperature range (Degrees)	-10/-40	-10/-40
Price	\$5,890	\$6,290



Laboratory Equipment– Refrigeration

ARCTIKO
by DAIREI

Ultra Low Chest Freezers: ULTF SERIES -85/-40°C

Innovative thinking is often spoiled by compromise, the ULTF series shows that high performance freezing with the focus on energy saving is the future. Our integrated cooling system gives maximum use on limited space, and we pride ourselves with the lowest noise level available.

MODEL	ULTF 80	ULTF 320	ULTF 420
Item code	DAI200	DAI205	DAI210
Exterior (mm)	552x648x850	1260x698x850	1560x698x850
Net capacity (L)	71	284	368
Temperature range (°C)	-40/-85	-40/-85	-40/-85
Power Supply (V)	230	230	230
Frequency (Hz)	50/60	50/60	50/60
Price	\$7,490	\$11,990	\$12,990



Low Temperature Chest Freezers: LTF Series -60°C

As a synonym for security, the LTF series gives reliable low temperature freezing, with good temperature uniformity. Digital display, alarms, contact for remote monitoring, basket(s) and castors are some of the standards.

MODEL	LTF 85	LTF 325	LTF 425
Item code	DAI101	DAI111	DAI116
Exterior (mm)	552x648x850	1260x695x885	1560x695x885
Net capacity (L)	71	284	368
Temperature range (°C)	-30/-60	-30/-60	-30/-60
Power Supply (V)	230	230	230
Frequency (Hz)	50/60	50/60	50/60
Price	\$4,490	\$5,250	\$5,990

Low Temperature Chest Freezers: LTFE Series -45°C

Engineered for just a little but more, the LTFE series gives you -45°C instead of the conventional -40°C. Equipped with digital display and alarm features these freezers gives the security needed for safe sample storage at low temperatures.



MODEL	LTFE 140	LTFE 290	LTFE 370
Item code	DAI1600	DAI1605	DAI1610
Exterior (mm)	725x655x865	1055x655x865	1560x600x885
Net capacity (L)	130	284	368
Temperature range (°C)	-10/-45	-10/-45	-10/-45
Power Supply (V)	230	230	230
Frequency (Hz)	50	50	50
Price	\$4,690	\$4,990	\$5,590





Laboratory Equipment– Refrigeration



Laboratory Refrigeration & Freezers: +10/-25°C

Unite the latest technology in one refrigerator, the new Dairei laboratory line with many features and sizes is produced with attention to details. No matter which product you choose, its build after the same strict guidelines. (Optional SS Ext Finish.)



MODEL	LR 300	LF 300	LR 270-2 Door	LFF 270	LR 500	LF 500
Item code	DAI200/221	DAI225/226	DAI230/231	DAI235/236	DAI245/246	DAI 245/246
Exterior (mm)	520x700x2020	520x700x2020	520x700x2020	520x700x2020	615x800x2010	615x800x2020
Net capacity (L)	300	300	135/135	135/135	500	500
Temperature range (°C)	+1/+10	-10/-30	+1/+10	+1/+10/-10/-23	+1/+10	-10/-25
Price	\$5,990	\$6,990	\$7,990	\$6,990	\$6,490	\$6,990
+ST (Opt SS Exterior)	\$6,390	\$7,390	\$8,390	\$7,390	\$6,890	\$7,390

Large Laboratory Refrigeration & Freezers: 700-1,400L

MODEL	LR 700	LF 700	LR 660-2 Door	LFF 660	LR 1400	LF 1400
Item code	DAI 250/251	DAI255/256	DAI260/261	DAI265/266	DAI270/271	DAI275/276
Exterior (mm)	720x860x2020	720x860x2020	720x860x2020	720x860x2020	1440x860x2020	1440x860x2020
Net capacity (L)	700	700	330/330	330/330	1400	1400
Temperature range (°C)	+1/+10	-10/-30	+1/+10	+1/+10/-10/-30	+1/+10	-10/-25
Price	\$6,990	\$7,990	\$8,490	\$8,990	\$9,990	\$9,990
+ST (Opt SS Exterior)	\$7,390	\$8,390	\$8,890	\$9,390	\$10,490	\$10,490

LR/LF 140/170/340/390 -26/+15°C

The wide range of laboratory refrigerators and freezers are designed for frequent use and rapid temperature recovery in a busy day with many door openings. With focus on user friendly design, integrated handles and perfect temperature uniformity due to air forced cooling, the DAIREI range of laboratory refrigerators and freezers are designed for the professional user and they are at the same time available at affordable prices. Many different sizes, glass or solid door, digital display with alarms, contact for remote monitoring and lock completes the features of your laboratory fridge or freezer.



MODEL	LR 170	LF 140	LR 390	LF 340
Item code	DAI550	DAI560	DAI555	DAI565
Exterior (mm)	595x620x830	595x620x830	596x620x1785	596x620x1785
Net capacity (L)	166	134	387	332
Temp range (°C)	+2/+15	-10/-26	+2/+15	-10/-26
Price	\$4,990	\$4,990	\$5,490	\$5,490



Laboratory Safety - Autoclaves & Sterilisation

<p>Baby - 7L</p> <p>Technical Specs Factory Pre-set at either 121°C or 134°C Closed door drying cycle Digital temperature readout Analogue pressure gauge Printer option available Thermal cut-out safety switches External waste water dump tank</p> <p>Dimensions (WxDxH): 37x 39x 30cm Bench Area length: Weight: 20kg Chamber diameter: 170mm Length: 270mm Capacity: 7 litres 5 litre external dump tank</p> <p>Included accessories Circular rack system and 2 trays, tray handle, dump tank and technical manual. Printers require one additional power point, and connect directly to the sterilizer.</p> <p>700-00-00 Baby Basic \$4,565 710-00-00 Baby Printer \$4,895</p>		<p>Pratika S20 'S Type' - 20L</p> <p>Technical Specs Factory Pre-set at either 121°C & 134°C User determined cycle times Closed door drying cycle Digital temperature readout Digital pressure gauge Printer option available Thermal cut-out safety switches External waste water dump tank SD Memory Card Reader for archiving</p> <p>Dimensions (WxDxH): 45x 58x 39cm Weight: 45 kg Chamber diameter: 240mm Length: 430mm Capacity: 20 litres</p> <p>Included accessories Supplied with 4x trays as pictured, Tray Handle, Dump Tank, Manual & SD Card</p> <p>410-00-00 Pratika S20 \$7,315 415-00-00 Pratika S20, Printer \$7,975</p>

Economy Autoclaves.

A self contained sterilizer with a Calrod Immersion Heating Element 1050watt, 240volt, automatic thermostatic control, & auto release valve. Suitable for hospitals, dentists and laboratories. Heavy cast Alloy cover and bottom construction and metal to metal seal.

1029002 - 24L Autoclave with Immersion Heating Element \$ 1990

Units available without heating elements:

1029001 - 15L Autoclave without internal Heating Element \$ 1100

1029003 - 24L Autoclave without internal Heating Element \$ 1298

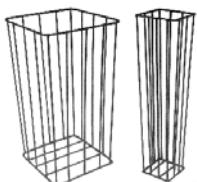
1029004 - 39.5L Autoclave without internal Heating Element \$ 1499



Autoclave Bags & Stands

Suitable for autoclaves up to 121 °C.

Clear HDPE bags with black & yellow printing.



Code	Desc	Pack	Price
AWB2760	Autoclave Waste Bag Printed 27x60cm	BOX 200	\$ 70
AWB5570	Autoclave Waste Bag Printed 55x70cm	BOX 200	\$ 107
AWB7193	Autoclave Waste Bag Printed 71x93cm	BOX 100	\$ 79
AWB2760P	Autoclave Waste Bag No Printed 27x60cm	BOX 200	\$ 62
AWB5570P	Autoclave Waste Bag No Printed 55x70cm	BOX 200	\$ 99
AWB7193P	Autoclave Waste Bag No Printed 71x93cm	BOX 100	\$ 75
C45	Autoclave Bag Stand to suit 27cm Bag		\$ 94.90
C50	Autoclave Bag Stand to suit 55cm Bag		\$ 99.90

All prices exclude GST and are subject to change without notice. For more information call Bacto Laboratories on 02 9602-5499.



Laboratory Safety Cabinets



FLAMMABLE LIQUID

(Complies to AS1940-2004 & Workcover approved)

Safe storage of Class 3 Flammable Liquids, Petrol, Adhesives, Paints & Solvents

- YELLOW Baked Enamel Paint Finish
- Self Closing & 3 Point Latching Doors
- Adjustable Shelf Brackets
- Perforated Galvanised Shelves
- Ventilation Port With Flame Arrestor
- Fully Welded Liquid Tight Sump
- Full Instructions Attached Inside Door
- Round Corners On Doors For Safety
- Hazardous Substance Safety Signs
- Built In Ground Connector
- Continuous Piano Hinge On Doors
- Double Skinned Walls

Product Code	Product Description	Capacity	Shelves, Incl Base	External Dimensions (mm)			Internal Dimensions (mm)			Weight (Kg)	Retail Price
				Height	Width	Depth	Height	Width	Depth		
BCFLS30L	30L	6x2.5L	2	800	505	460	520	420	375	53	\$730
BCFLS60L	60L	12x2.5L	2	1065	505	460	785	420	375	62	\$812
BCFLS100L	100L Under Bench	15x2.5L	2	800	920	615	520	835	530	100	\$1,065
BCFLS160L	160L	6x20L	2	1295	1100	460	1045	1015	375	138	\$1,157
BCFLS250LE	250L Economy *	9x20L	3	1825	760	830	1580	680	740	229	\$1,256
BCFLS250L	250L	9x20L	3	1825	1100	500	1545	1015	420	187	\$1,595
BCFLS250LEC	250L Extra Capacity	12x20L	3	1825	1430	580	1545	1345	495	196	\$1,795
BCFLS205LHD	205L Drum Horizontal	1x205L	1	1750	760	1220	1150	740	1155	170	\$1,815
BCFLS205LVD	205L Drum Vertical	1x205L	1	1750	830	785	1480	745	700	180	\$2,090

* Economy 250L has 2 point latching doors; no ground connector; single door and 0.9mm sheet steel thickness (standard 250L 1.1mm)



TOXIC SUBSTANCE

(Complies to AS/NZS 4452:1997 & Workcover approved)

Safe storage of DG Class 6.1 Toxic Substances

- WHITE Baked Enamel Paint Finish
- Self Closing & 3 Point Latching Doors
- Adjustable Shelf Brackets
- Perforated Galvanised Shelves
- Ventilation Port With Flame Arrestor
- Fully Welded Liquid Tight Sump
- Full Instructions Attached Inside Door
- Round Corners On Doors For Safety
- Hazardous Substance Safety Signs
- Built In Ground Connector
- Continuous Piano Hinge On Doors
- Double Skinned Walls

Product Code	Product Description	Capacity	Shelves, Incl Base	External Dimensions (mm)			Internal Dimensions (mm)			Weight (Kg)	Retail Price
				Height	Width	Depth	Height	Width	Depth		
BCTSS30L	30L	6x2.5L	2	800	505	460	520	420	375	53	\$750
BCTSS60L	60L	12x2.5L	2	1065	505	460	785	420	375	62	\$850
BCTSS100L	100L	15x2.5L	2	800	920	615	520	835	530	100	\$1,125
BCTSS160L	160L	6x20L	2	1295	1100	460	1045	1015	375	138	\$1,250
BCTSS250L	250L	9x20L	3	1825	1100	500	1545	1015	420	187	\$1,720



Laboratory Safety Cabinets



CORROSIVE SUBSTANCE

(Complies to AS3780-1994 & Workcover approved)

Safe storage of DG Class 8 Corrosive Substances

- BLUE Baked Enamel Paint Finish
- Self Closing & 3 Point Latching Doors
- Adjustable Shelf Brackets
- Perforated Galvanised Shelves with Tray
- Ventilation Port With Flame Arrestor
- Fully Welded Liquid Tight Sump
- Full Instructions Attached Inside Door
- Round Corners On Doors For Safety
- Hazardous Substance Safety Signs
- Built In Ground Connector
- Continuous SS Piano Hinge On Doors
- Double Skinned Walls

Product Code	Product Description	Trays	Shelves, Incl Base	External Dimensions (mm)			Internal Dimensions (mm)			Weight (Kg)	Retail Price
				Height	Width	Depth	Height	Width	Depth		
BCCSS30L	30L	2	2	800	505	460	520	420	375	53	\$865
BCCSS60L	60L	2	2	1065	505	460	785	420	375	62	\$940
BCCSS100L	100L	2	2	800	920	615	520	835	530	100	\$1,285
BCCSS160L	160L	2	2	1295	1100	460	1045	1015	375	138	\$1,480
BCCSS250L	250L	3	3	1825	1100	500	1545	1015	420	187	\$1,890



OXIDISING AGENT

(Complies to AS4326-1995 - specifies a maximum of 50kg or 50L)

Safe storage of DG Class 5.1 Oxidising Agents

- YELLOW Baked Enamel Paint Finish
- Self Closing & **Magnetic Hold Doors***
- Adjustable Shelf Brackets
- Perforated Galvanised Shelves
- Ventilation Port With Flame Arrestor
- Fully Welded Liquid Tight Sump
- Full Instructions Attached Inside Door
- Round Corners On Doors For Safety
- Hazardous Substance Safety Signs
- Built In Ground Connector
- Continuous Piano Hinge On Doors
- Double Skinned Walls

Product Code	Product Description	Trays	Shelves, Incl Base	External Dimensions (mm)			Internal Dimensions (mm)			Weight (Kg)	Retail Price
				Height	Width	Depth	Height	Width	Depth		
BCOAS30L	30L	6x2.5L	2	800	505	460	520	420	375	53	\$735
BCOAS60L	60L	12x2.5L	2	1065	505	460	785	420	375	62	\$840
BCOAS100L	100L	15x2.5L	2	800	920	615	520	835	530	100	\$1,140
BCOAS160L	160L	6x20L	2	1295	1100	460	1045	1015	375	138	\$1,260
BCOAS250L	250L	9x20L	3	1825	1100	500	1545	1015	420	187	\$1,665



ORGANIC PEROXIDES

(Complies to AS2714-1993 & Workcover approved)

Safe storage of DG Class 5.1 Organic Peroxides with sump able to contain capacity

- YELLOW Baked Enamel Paint Finish
- Self Closing & **Magnetic Hold Doors***
- Adjustable Shelf Brackets
- Perforated Galvanised Shelves
- Ventilation Port With Flame Arrestor
- Fully Welded Liquid Tight **Large Sump**
- Full Instructions Attached Inside Door
- Round Corners On Doors For Safety
- Hazardous Substance Safety Signs
- Built In Ground Connector
- Continuous Piano Hinge On Doors
- Double Skinned Walls

Product Code	Product Description	Capacity	Shelves, Incl Base	External Dimensions (mm)			Internal Dimensions (mm)			Weight (Kg)	Retail Price
				Height	Width	Depth	Height	Width	Depth		
BCOPS30L	30L	6x2.5L	2	1065	505	460	670	670	375	62	\$840
BCOPS100L	100L	15x2.5L	3	1825	1100	500	1425	1015	420	191	\$1,695

* Magnetic Hold Doors allow doors to release if pressure builds in the cabinet.

BACTO LABORATORIES FEATURED PRODUCT

FINEPCR
LABORATORY EQUIPMENT MANUFACTURER & EXPORTOR

FINEVORTEX™

"3S" Description

SIMPLE

Do not need any other accessories. Universal rack can be used for all kind of tubes.

STABLE

Shockabsorber feet prevent FINEVORTEX from moving around on a desk during shaking. (Anti-vibration device in the feet)

STRONG

Powerful shaking without noise on 3000rpm.



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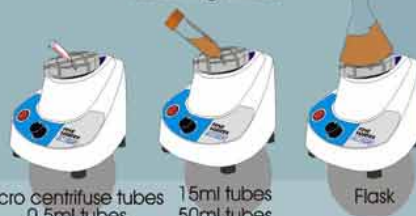
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3 COLOR AVAILABLE



WHITE - GRAY - BLUE

Touching shake



Micro centrifuse tubes
0.5ml tubes
1.5ml tubes

15ml tubes
50ml-tubes

Flask

Continuous shake



15ml tube

Micro centrifuse tubes
0.5ml tubes
1.5ml tubes

RRP \$399
Sale \$299

- FINEPCR PRODUCT LIST**
- HYBRIDIZATION
 - INCUBATORS
 - THERMO MIXER
 - THERMO BATHS
 - GEL ELUTOR
 - ROTATORS
 - ROCKERS
 - 3D MOTION
 - SHAKERS
 - ORBITAL/RECIPROCATING
 - SHAKERS
 - ORBITAL MIXER

BACTO LABORATORIES PTY LTD

PH: 02 9823-9000

FAX: 02 9601-8293

EMAIL: INFO@BACTO.COM

(SALE APPLIES TO STOCK COLOURS ONLY)