

Portable pH, Conductivity & DO₂ Meters

Enterprise Range



- Large, back lit LCD
- Ergonomic design
- 500 hours battery life

These ergonomically designed products feature a backlit liquid crystal display, a reading hold function and 500 hours

battery life. Ideal for field or any portable situation.

Order Code

- 350 201 Model 350** pH meter supplied with epoxy combination electrode, 4, 7 and 10 pH buffer sachets and instructions
- 350 271 Model 350** pH meter supplied as above in FREE carry case
- 370 201 Model 370** pH/mV/temp meter supplied with epoxy combination electrode, ATC probe, 3 sachets of 4, 7 and 10 pH buffer and instructions
- 370 271 Model 370** pH/mV/temp meter supplied as above in FREE carry case
- 430 201 Model 430** pH/Conductivity meter supplied with combined pH/conductivity probe (430 231), 4, 7, 10 pH buffer sachets, batteries (fitted) and operating instructions
- 430 271 Model 430** pH/Conductivity meter supplied as above in FREE carry case
- 470 201 Model 470** Conductivity/TDS meter supplied with epoxy cell K=1 and instructions
- 470 271 Model 470** Conductivity/TDS meter supplied as above in FREE carry case
- 970 201 Model 970** DO₂ meter supplied with DO₂ probe, spare membranes and KCl, zero salts and instructions
- 970 271 Model 970** DO₂ meter supplied as above in FREE carry case

All models are supplied with batteries fitted.

Portable pH, Conductivity & DO₂ Meters

Technical Specifications

Enterprise model 430 - Combined pH/Conductivity

pH (1 or 2 point calibration)

Range: 0 to 14 pH

Resolution: 0.01 pH

Accuracy: ± 0.02 pH

Conductivity

Ranges: 5 switched ranges

0 to 19.99 μ S - 0 to 199.9mS

Resolution: 0.01 μ S, 0.1 μ S, 1 μ S, 0.01mS, 0.1mS

Accuracy: $\pm 0.5\%$ ± 2 digits

TDS

Ranges: 5 switched ranges

0 to 19.99mg/l - 0 to 199.9g/l

Resolution: 0.01mg/l, 0.1mg/l, 1mg/l, 0.01g/l, 0.1g/l

Accuracy: $\pm 0.5\%$ ± 2 digits

Temperature

Ranges: -9.9 to +99.9°C / 14 to 212°F

Resolution: 0.1°C / 1°F

Accuracy: $\pm 0.5^\circ\text{C}$ / $\pm 1^\circ\text{F}$

ATC Range: 0 to 99.9°C / 32 to 212°F

Manual Temp. Comp.: 0 to 99.9°C / 32 to 212°F

Auto buffer recog.: 4, 7, 9.22 & 10.05 (man. override facility)

Power: 2 AA cells

Battery life: Typically 100 hours

Size: 175(l) x 75(w) x 35(d) mm

Weight: 250g



399 241 To offer additional flexibility an Enterprise electrochemical kit is available. The kit comprises the Models 370 pH meter, the 470 Conductivity meter and the 970 DO₂ meter supplied in a custom designed carrying case.

Accessories included are an epoxy combination pH electrode, ATC probe, buffer sachets, conductivity cell with ATC, DO₂ probe, spare membranes & KCl, zero salts, batteries (fitted) and instruction manuals.

Portable pH, Ion, Conductivity & DO₂ Meters

Premier Range



- Waterproof to IP67
- Full interfacing capability
- Language options
- Menu driven operation
- CE & G.L.P. compliant
- Auto shut-off feature

Designed and constructed to resist the harshest of field, laboratory and industrial environments. The whole system is waterproof to IP67, and if dropped into

water will float. These products are ideal for on-site water quality measurement in a multitude of customer applications.

Order Code

- 538 001 Model 3150** pH meter supplied with pH/temperature probe (027 227), pH 4 & 7 buffers, batteries and manual
- 539 501 Model 3205** Ion meter supplied with pH/temperature probe (027 227), pH 4 & 7 buffers, detachable electrode lead (013 161), waterproof to BNC lead (538 014), batteries and manual
- 553 001 Model 4150** Conductivity meter supplied with epoxy cell with ATC (K=1) (027 233), batteries and instruction manual
- 540 001 Model 4200** Conductivity meter supplied with epoxy cell with ATC (K=1) (540 520), batteries and instruction manual
- 557 001 Model 9150** DO₂ meter supplied with DO₂ probe (541 520), spare membranes and KCl, zero powder, membrane cover, membrane protective cap, batteries and manual
- 541 001 Model 9200** DO₂ meter supplied with DO₂ probe (541 520), spare membranes and KCl, zero powder, membrane cover, membrane protective cap, batteries and manual



Portable pH 350/370/3150 & 3205

Technical Specifications

Enterprise models 350 & 370

	350	370
pH range	-2 to 16.00pH	-2 to 16.00pH
Resolution (Accuracy)	0.01pH (± 0.02 pH)	0.01pH (± 0.02 pH)
mV (Abs & Rel) range	-	± 1999 mV
Resolution (Accuracy)	-	1mV (± 1 mV)
Temperature ranges	-	-10 to +105°C / 14 to 221°F
Resolution (Accuracy)	-	0.1°C/1°F ($\pm 0.5^\circ\text{C}/\pm 1^\circ\text{F}$)
ATC range	-	0 to 100°C

Common Specifications

Manual Temp. Comp.	0 to 100°C / 32 to 212°F
Resolution	0.1°C/1°F
Auto Buffer Recognition	4.00, 7.00, 9.22 & 10.05 (manual override)
Calibration	User selectable 1 or 2 point
Power	2 AA cells
Size/Weight	175(l)x75(w)x35(d) mm / 250g

Premier models 3150 & 3205

pH (1 or 2 point cal)	
Range	-2 to 16.00pH
Resolution (Accuracy)	0.01pH (± 0.02 pH)
mV (Abs & Rel) range	± 1999 mV
Resolution (Accuracy)	1mV (± 1 mV)
Temperature ranges	-10 to +105°C / 14 to 221°F
Resolution (Accuracy)	0.1°C/1°F ($\pm 0.5^\circ\text{C}/\pm 1^\circ\text{F}$)
ATC range	0 to 100°C
Auto Buffer Recognition	4.00, 7.00 & 10.05 (manual override)
Calibration	User selectable 1 or 2 point
pH	
Concentration	Multipoint 1 to 5 points (3205)
Activity	1×10^{-9} to 9.99×10^9 (int. or exp.) (3205)
Concentration units	activity, %, ppm, mg/l, moles & none (3205)
Dedicated ion	Ammonium, Calcium, Chloride, Fluoride & Nitrate (3205)
Clock	24 hour, hrs/min/sec or day of month/month/year, leap year corrected (3205)
Power	3 AA cells
Size/Weight	200(l)x80(w)x60(d) mm / 370g



Portable Conductivity 470/4150 & 4200

Technical Specifications

Enterprise model 470

Conductivity ranges	6 switched ranges 0 to 19.99 μ S - 0 to 1999mS*
Resolution (Accuracy)	0.01 μ S to 1mS* ($\pm 0.5\% \pm 2$ digits)
TDS ranges	6 switched ranges 0 to 19.99mg/l – 0 to 1999g/l*
Resolution (Accuracy)	0.01mg/l to 1g/l* ($\pm 0.5\% \pm 2$ digits)
Temperature range	-10 to +105°C / 14 to 221°F
Resolution (Accuracy)	0.1°C/1°F ($\pm 0.5^\circ\text{C}/\pm 1^\circ\text{F}$)
ATC & Manual ranges	0 to 100°C/32 to 212°F
Cell constant	Digitally settable 0.015 to 19.99
Reference temperature	25°C
Temperature coefficient	0.00 to 4.00%/°C linear
Auto standard recognition	10 μ S, 84 μ S, 1413 μ S or 12.88mS (manual override)
Probe input	Mini-DIN conductivity/temperature
Power	2 AA cells
Size/Weight	175(l)x75(w)x35(d) mm / 250g
	* only with cell constant >5

Premier models 4150 & 4200

Conductivity ranges	5 switched ranges 0 to 19.99 μ S - 0 to 199.9mS
Resolution (Accuracy)	0.01 μ S to 0.1mS ($\pm 0.5\% \pm 2$ digits)
TDS ranges	5 switched ranges 0 to 199.9mg/l
Resolution (Accuracy)	0.01mg/l to 1g/l ($\pm 0.5\% \pm 2$ digits)
Resistivity range	0 to 20Mohms (4200)
Resolution (Accuracy)	0.01Mohms ($\pm 0.5\% \pm 2$ digits)
Salinity range	0 to 99.9g/l (4200)
Resolution (Accuracy)	0.1g/l (0 to 35 ± 1 / 35 to 99 ± 3 of reading)
Temperature range	-10 to +105°C / 14 to 221°F
Resolution (Accuracy)	0.1°C/1°F ($\pm 0.5^\circ\text{C}/\pm 1^\circ\text{F}$)
ATC & Manual ranges	0 to 100°C/32 to 212°F
Cell constant	Digitally settable 0.015 to 19.99
Reference temperature	18, 20, 25°C
Temperature coefficient	0.00 to 4.00%/°C linear
Auto standard recognition	10 μ S, 84 μ S, 1413 μ S or 12.88mS (manual override)
Clock	24 hour, hrs/min/sec or day of month/month/year, leap year corrected (4200)
Power	3 AA cells
Size/Weight	200(l)x80(w)x60(d) mm / 370g

Portable Dissolved Oxygen 970/9150 & 9200

Technical Specifications

Enterprise model 970

DO ₂ ranges	-5 to 199%
	-5 to 25.0%
	-5 to 19.99mg/l
Resolution	1%/0.1%/0.01mg/l
Accuracy	±2% within 10°C of calibration temperature
Temperature range	-10 to +105°C / 14 to 221°F
Resolution (Accuracy)	0.1°C/1°F (±0.5°C/±1°F)
ATC & Manual ranges	0 to 60°C/32 to 140°F
Power	2 AA cells
Size/Weight	175(l)x75(w)x35(d) mm / 250g



Premier models 9150 & 9200

DO ₂ ranges	0 to 199%, 0 to 25%, 0 to 19.99mg/l
Resolution	1%/0.1%/0.01mg/l
Accuracy	±2% within 10°C of calibration temperature
Temperature range	-10 to 60°C / 14 to 140°F
Resolution (Accuracy)	0.1°C/1°F (±0.5°C/±1°F)
ATC range	-10 to +60°C/14 to 140°F
Clock	24 hour, hrs/min/sec or day of month/month/year, leap year corrected (9200)
Power	3 AA cells
Size/Weight	200(l)x80(w)x60(d) mm / 370g



email: sales@jenway.com

Portable Electrochemicals - Accessories



Enterprise range

Models 350 & 370 pH

- | | |
|---------|------------------------|
| 033 267 | Carry case (model 350) |
| 033 268 | Carry case (model 370) |

Model 470 Conductivity/TDS

- | | |
|---------|------------|
| 033 269 | Carry case |
|---------|------------|

Model 430 Conductivity/pH

- | | |
|---------|------------|
| 033 268 | Carry case |
|---------|------------|

Model 970 DO₂

- | | |
|---------|------------|
| 033 270 | Carry case |
|---------|------------|



Premier range

Models 3150 & 3205 pH / Ion

- | | |
|---------|---------------------------------|
| 033 162 | Carry case |
| 027 229 | Reference electrode with
ATC |

Models 4150 & 4200 Conductivity

- | | |
|---------|------------|
| 033 174 | Carry case |
|---------|------------|

Models 9150 & 9200 DO₂

- | | |
|---------|--------------|
| 033 175 | Carry case |
| 541 620 | B.O.D. probe |



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.