

Key Features

- 1 to 5 point ion calibration
- Dual channel ion/ion or ion/pH
- Automatic temperature compensation ion and pH measurements
- GLP support
- Direct potentiometry
- Full support of incremental methods



3345

Part code: 548 001

3345

Bench Ion Meter

The 3345 laboratory pH/ion meter offers a host of valuable features whilst retaining simplicity of operation through the use of structured menus. The 3345 will store up to 100 readings all of which can be recalled on the LCD screen or downloaded to a printer or PC. Details of the last calibration results are time and date stamped, thus satisfying the requirements of GLP quality assurance protocols. Offering flexibility with two additional modes of ion analysis: the known addition/subtraction mode allows the determination of ion concentrations much closer to the lower detection limits of the electrodes, whilst multiple sample addition/subtraction allows measurements to be performed in dense and concentrated matrices.

Technical Specification

pH

Calibration	1, 2 or 3 point calibration
Range	-2.000 to 19.999
Resolution	0.1, 0.01, 0.001
Accuracy	±0.003
Auto buffer recognition	4, 7 and 10.05 (with manual override)

mV

Range	±1999
Resolution	0.1mV
Accuracy	±0.2mV

Temperature

Range	-10 to 105°C
Resolution	0.1°C
Accuracy	±0.5°C
ATC Range	0 to 100°C
Ion	Multipoint calibration 1 to 5 points
Activity	1×10^{-9} to 9.99×10^9
Concentration units	Activity, %, ppm, mg/l, M or none
Clock	24 hour, leap year corrected
GLP	Calibration reminder interval (1 to 999 hrs) Timed printout interval
Outputs	Analogue and RS232
Connectors	2 x BNC (ion/pH), 5-pin DIN (temperature), 2mm pin (separate reference electrode)
Power	9V AC 230V*
Size (l x w x d), mm	275 x 240 x 150
Weight, kg	1.2

* Voltage variants available see page 94

Ordering Information

Part Code	Description
548 001	3345 dual channel ion meter supplied with glass combination pH electrode (924 005), electrode stand and holder, BNC to S7 connector (013 173) for connection to ISEs, ATC probe (027 232), buffer sachets and UK power supply

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