

Key Features

- Simultaneous display of pH, conductivity and temperature
- Automatic or manual calibration
- Combined pH, conductivity and temperature probe
- Power on self check routine
- Auto-selecting ranges for both TDS and conductivity modes



430

Part code: 430 271

430

Enterprise Conductivity/pH Meter

The easy to use 430 is designed to readily withstand the rigours of field work, while reliably measuring pH and conductivity. The unit allows the simultaneous readout of pH, conductivity or TDS and temperature with switched ranges for both conductivity and TDS measurements.

Technical Specification

pH

Range	0.00 to 14.00 (1 or 2 point calibration)
Resolution	0.01
Accuracy	±0.02
Auto. buffer recognition	4.00, 7.00, 9.22, 10.00

Conductivity

Ranges	5 auto-selected from 0 to 199.9mS
Resolution	0.01µS to 0.1mS
Accuracy	±0.5% ±2 digits
Cell constant	0.01 to 19.99
Automatic std recognition	10µS, 84µS, 1413µS, 12.88mS (with manual override)

TDS

Range	5 auto-selected from 0 to 199.9g/l
Resolution	0.01mg/l to 0.1g/l
Accuracy	±0.5% ±2 digits
EC ratio (TDS)	0.50 to 0.80

Temperature

Range	-9.9 to 99.9°C
Resolution	0.1°C
Accuracy	±0.5°C
ATC and manual	0 to 99.9°C
Temperature coefficient	0.00 to 4.00%/°C
Reference temperature	18, 20 or 25°C
Connector	mini-DIN
Power	2x AA batteries
Size (l x w x d), mm	175 x 75 x 35
Weight, g	250

Ordering Information

Part Code	Description
430 271	430 conductivity/pH meter supplied with combined pH/conductivity probe (430 231), buffer sachets, batteries (fitted) and free carry case

3540

Bench Combined Conductivity/pH Meter

The 3540 is ideal for use in all laboratories where pH and conductivity analyses are required. The setup menu gives quick and easy access to the whole range of instrument, pH and conductivity measurement options. Calibration of both channels is automatic, with the option to select 1, 2 or 3 calibration points. The pH channel can also display mV values if required.

Technical Specification

pH

Range	-2.000 to 20.000
Resolution	0.001/0.01/0.1
Accuracy	±0.003

mV

Range	±1999.9mV
Resolution	0.1mV
Accuracy	±0.2mV

Conductivity

Range	Auto-selected from 0.01µS to 1.999S
Resolution	0.01µS to 1mS
Accuracy	±0.5% ±2 digits

Temperature

Range	-10 to 105°C
Resolution	0.1°C
Accuracy	±0.5°C
ATC and manual	0 to 100°C
Temperature coefficient	0.00 to 4.00%/°C
Reference temperature	18, 20 or 25°C
GLP	Calibration reminder interval, operator and sample ID and security coded setup
Outputs	Analogue, RS232 and IrDA interface
Connectors	BNC (pH) and 7-pin DIN (conductivity)
Power	9V AC ±10% @ 50/60Hz*
Size (l x w x d), mm	210 x 250 x 55
Weight, g	850

* Voltage variants available see page 94

Key Features

- Simultaneous display of pH and conductivity
- 2 independent channels to prevent interference between probes
- Additional modes for resistivity, salinity, TDS and mV
- Data logger with auto save/print options
- Storage of up to 500 readings (250 for each mode)



Ordering Information

Part Code	Description
354 001	3540 conductivity/pH meter supplied with glass combination pH electrode (924 005), glass conductivity probe (K=1, 027 013), electrode stand and holder (903 300), ATC probe (027 500), BNC shorting plug, pH buffers and UK power supply (021 030)