

Bench Conductivity(EC)/TDS Meter

Key Features

- Conductivity(EC), resistivity, TDS and salinity modes
- Special pure water mode for ultra low conductivity measurements
- Storage of 500 results with built in data logger
- Infra-red data link (IrDA) for connection to printer and RS232 link to connect to printer or PC via DataWay software



4520

Part code: 452 201
Part Code: 452 201S



The 4520 is a high specification laboratory conductivity(EC)/ resistivity/TDS/salinity/temperature meter that offers additional accuracy with 1, 2 or 3 point conductivity calibration across the wide measurement range of 0 to 19.99S. The dedicated 'pure water' mode ensures the optimum accuracy for this difficult application.

Technical Specification

Conductivity(EC)

Range	6 auto-selected from 0 to 19.99S*
Resolution	0.01µS -0.01S
Accuracy	±0.5% ±2 digits
Automatic std. recognition	10µS, 84µS, 1413µS, 12.88mS
Cell constant	0.010 to 19.999

TDS

Range	6 auto selected ranges 0-1999g/l*
Resolution	0.01mg/l -1g/l
Accuracy	±0.5% ±2 digits
EC ratio	0.50 to 0.80

Resistivity

Range	0-20Mohm
Resolution	0.01Mohm
Accuracy	±0.5% ±2 digits

Salinity

Range	0-99.9g/l
Resolution	0.1g/l
Accuracy	0-35 ±1g/l, 35-99.9 ±3g/l

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, alarm outputs and security code protected data
Outputs	Analogue, RS232 and IrDA interface
Connector	7-pin DIN
Power	9V AC ±10% @ 50/60Hz
Size (l x w x d), mm	210 x 250 x 55
Weight, g	850

* With K=10 cell

Ordering Information

Part Code	Description
452 201	for standard measurements of general solutions 4520 conductivity(EC) meter supplied with glass conductivity(EC) probe with ATC (K=1, 027 013), electrode holder (903 300) and European 230V power supply (021 031)
452 201S	for measurement of soil and slurry samples Same but supplied with Sentek epoxy conductivity(EC) probe with ATC (K=1, 220-761)