

4510

Bench Conductivity(EC)/TDS Meter

The 4510 is easy to use but with the flexibility to meet the broadest range of applications and for those where greater accuracy is required the 4510 has automatic conductivity standard recognition and endpoint detection. Set-up options include cell constant, temperature coefficient and reference temperature. The instrument can store up to 32 readings, which can also be sent to a printer or transferred to computer via DataWay and the RS232 interface.

Technical Specification

Conductivity(EC)

Range	6 auto-selected from 0 to 19999mS*
Resolution	0.01µS to 1mS
Accuracy	±0.5% ±2 digits
Automatic std. recognition	10µS, 84µS, 1413µS,
Cell constant	12.88mS 0.010 to 19.999

TDS

Range	6 auto-select from 0-19999g/l*
Resolution	0.01mg/l to 1g/l
Accuracy	±0.5% ±2 digits
EC Ratio	0.50 to 0.80

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 18,
Reference temperature	20 or 25°C
Outputs	Analogue and RS232
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

Key Features

- Simultaneous display of conductivity(EC) or TDS and temperature
- Automatic selection of range for best resolution
- Calibration by cell constant or standard solutions
- Automatic standard recognition
- Storage of up to 32 results
- Bi-directional RS232 link to printer or PC



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Part code: 451 201
Part Code: 451 201S

Ordering Information

Part Code	Description
451 201	for standard measurements of general solutions 4510 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)
451 201S	for measurement of soil and slurry samples Same but supplied with Sentek epoxy conductivity(EC) probe with ATC (K=1, 220-761)



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