

# Conductivity

## Bench Meters Series 4500

### JENWAY

- ◆ Model 4510: General purpose conductivity/TDS/temperature meter for routine laboratory analysis.
  - Custom back-lit LCD with simultaneous conductivity or TDS and temperature readout
  - 32 reading memory
- ◆ Model 4520: Extensively specified conductivity/resistivity/TDS/salinity/temperature meter with GLP support, 1, 2 or 3 point calibration and datalogging
  - Back-lit graphics dual parameter display
  - 500 reading memory
- ◆ Automatic temperature compensation
- ◆ Bi-directional RS232 link to printer or PC (Model 4520 additionally incorporates an infra-red data link output)
- ◆ Simultaneous conductivity and temperature display

#### Conductivity Meter Model 4510

As described. Supplied with swing-arm electrode holder and glass conductivity cell (K=1) with automatic temperature compensation, instruction manual and mains adapter. A 230V 50Hz supply is required for the adapter.

**CU645-30** Model 4510

#### Conductivity Meter Model 4520

As described. Supplied with swing-arm electrode holder and glass conductivity cell (K=1) with automatic temperature compensation, instruction manual and mains adapter. A 230V 50Hz supply is required for the adapter.

**CU650-30** Model 4520

#### Spares and Accessories

**CU652-06** Spare cell (K=1), glass

**CU654-10** Accessory cell (K=0.1), glass

**CU654-13** Accessory cell (K=10), epoxy

**CU654-16** Accessory cell (K=1), epoxy

**CU654-19** Accessory cell (K=0.1), epoxy

**CU656-25** IrDA or serial connection printer. Supplied with one roll of thermal paper, serial connection lead, power supply and power connection lead

**CU656-27** Thermal paper roll, pack of 1

**CU656-54** DataWay data acquisition software for downloading data from instruments onto the users' PC.

#### Calibration Standards

Supplied in 500ml bottles

**CU658-05** 10 $\mu$ S standard

**CU658-08** 1413 $\mu$ S standard

**CU658-11** 12.88mS standard

Catalogue No.	CU645-30	CU650-30
Model	4510	4520
<b>Ranges (resolution)</b>		
Conductivity	0 to 199.9mS (0.01 $\mu$ S to 0.1mS) 0 to 1999mS (1mS*)	0 to 1999mS (0.001 $\mu$ S to 1mS*) 0 to 19.99S (0.01S)
TDS	0 to 199.9g/l (0.01mg/l to 0.1g/l) 0 to 1999g/l (1g/l*)	0 to 1999g/l (0.001mg/l to 1g/l*) —
Resistivity	—	0 to 20MOhm (0.01)
Salinity	—	0 to 99.9g/l (0.1)
Temperature	-10 to 105°C (+14 to 221°F)	-10 to 105°C (0.1°C) (+14 to 221°F)
ATC range (manual also)	0 to 100°C (+32 to +212°F)	0 to 100°C (+32 to +212°F)
Accuracy	Conductivity $\pm 0.5\%$ $\pm 2$ digits TDS $\pm 0.5\%$ $\pm 2$ digits Resistivity — Salinity — Temperature $\pm 0.5^\circ\text{C}$ ( $\pm 1^\circ\text{F}$ )	Conductivity $\pm 0.5\%$ $\pm 2$ digits TDS $\pm 0.5\%$ $\pm 2$ digits Resistivity $\pm 2\%$ $\pm 2$ digits Salinity $\pm 1\text{g/l}$ (0 to 35) $\pm 3\text{g/l}$ (rest of range) Temperature $\pm 0.5^\circ\text{C}$ ( $\pm 1^\circ\text{F}$ )
Calibration	On standard solutions 10 $\mu$ S, 1413 $\mu$ S, 12.88mS or via cell constant adjustment	1, 2 or 3 point on standard solutions or via cell constant adjustment Adjustable calibration reminder settable from 1 to 999 hour intervals
Memory	32 readings	500 readings
Outputs	Analogue recorder Bi-directional RS232	Analogue recorder Bi-directional RS232 Infra-red data link (IrDA)
Alarm points	—	0 to 19.99S
Display	LCD	LCD graphics
Dimensions L x W x D mm	210 x 250 x 55	210 x 250 x 55
Weight kg	0.85	0.85

\*Only with cell constants >5.



CU645-30 in use



CU650-30 in use