



## WATER & SOIL ANALYSIS KIT

### SI-158

#### SALIENT FEATURES

- 16x2 alpha numeric backlit LCD display
- Temperature and parameter display simultaneously
- Real time display in 24 hour format
- Simple menu driven controls using soft keys
- Storage upto 1000 samples
- 230 V ± 10% 50 Hz with inbuilt 12V rechargeable battery
- Serial RS-232 and parallel centronics computer interface
- Print selection - datewise or all data



PARAMETER	SI-158	pH	CONDUCTIVITY	TDS	DO	mV/ORP	SALINITY	TEMPERATURE
Range	0 to 14 pH	0.00 µS/cm to 1000 mS/cm in 6 Auto Ranges	0.00 ppm to 200 ppt in 5 Auto ranges	0 to 20 ppm	0 to 20 ppm	-1999 to +1999 mV	0 to 50 ppt	-20 °C to 200 °C
Resolution	0.01 pH	0.01, 0.1, 1 µS/cm or mS/cm as per range	0.01, 0.1, 1 ppm or ppt as per range	0.1 ppm	1 mV	1 mV	0.2 ppt	0.1 °C
Accuracy	±0.01 pH	±0.5%	±0.5%	±0.2 ppm ±1 digit	±0.2 ppm ±1 digit	±0.2 mV ±1 digit	±0.5%	±0.2% ± 1 digit
Calibration	Auto & Manual	—	—	Auto & Manual	Auto & Manual	—	—	Manual
Temperature Compensation	0-100 °C (Auto/Manual)	—	—	0-100 °C (Auto/Manual)	0-100 °C (Auto/Manual)	—	—	—
Auto Buffer Recognition	4.00, 7.00 & 9.20	—	—	—	—	—	—	—
Range Selection	—	Automatic	Automatic	—	—	—	—	—
Cell Constant Adjustment	—	0.05 to 2.0 (Auto/Manual)	0.05 to 2.0 (Auto/Manual)	—	—	—	—	—
Temperature Coefficient	—	0-4% adjustable	—	—	—	—	—	—
Salinity Factor	—	—	—	—	—	—	—	—
TDS Factor	—	—	adjustable (0.5 by default)	—	—	—	—	—
Salinity Correction	—	—	—	0 to 20 mg/L	—	—	—	—



#### ACCESSORIES

- Combined pH Electrode
- Cond./TDS/Salinity Cell
- Temp. Probe
- DO Probe
- DO Membrane
- 100ml Bottles One Pair Solution/Tablets 7pH & 4pH
- 30mm Clear Glass Tubes
- Main Lead
- Operation Manual

