



# SPECTRONICS INDIA

AN ISO 9001:2015 & CERTIFIED COMPANY

## WATER & SOIL ANALYSIS KIT

### SI-159

#### 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



#### TECHNICAL SPECIFICATIONS

PARAMETER	SI-159	pH	CONDUCTIVITY	TDS	DO	mV/ORP	SALINITY	TEMPERATURE	TURBIDITY *
Range	0 to 14 pH		0.00 $\mu$ S/cm to 1000 mS/cm in 6 Auto Ranges	0.00 ppm to 200 ppt in 5 Auto ranges	0 to 20 ppm	-1999 to +1999 mV	0- 50 ppt	-20 °C to 200°C	0 to 1000 NTU in 2 ranges
Resolution	0.01 pH		0.01, 0.1, 1 $\mu$ S/cm or mS/cm as per range	0.01, 0.1, 1 ppm or ppt as per range	0.1 ppm	1 mV	0.2 ppt	0.1 °C	0.1 NTU in lowest range
Accuracy	±0.01 pH		±0.5%	±0.5%	±0.2 ppm ±1 digit	±0.2 mV ±1 digit	±0.5%	±0.2% ± 1 digit	±3%FS ±1 digit
Calibration	Auto & Manual		—	—	Auto & Manual	Auto & Manual	—	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	—	—	—	—	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	—	—	—	—

#### STANDARD ACCESSORIES:

- pH Electrode
- Buffer solutions (4.00, 7.00)
- Conductivity/TDS/Salinity Cell
- DO Probe

- DO Membrane
- Temperature Probe
- ORP Electrode (at extra cost)
- Operation Manual
- Data cable

#### \* TURBIDITY IS AVAILABLE IN MODEL SI-159 WITH FOLLOWING ADDITIONAL SPECIFICATIONS:

- Sample System : 30 mm clear glass test tube
- Light Source : 6V tungsten lamp
- Detector : Photodiode/photocell



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