



SPECTRONICS INDIA

AN ISO 9001:2015 &
CE CERTIFIED COMPANY

MICROCONTROLLER BASED

DIGITAL COND-TDS-SAL METER

MODEL SI - 198

SALIENT FEATURES

- Highly sensitive & Accurate
- Measurement Conductivity, TDS and Temperature
- Storage up to 1000 samples
- Printer attachment facility

TECHNICAL SPECIFICATION

Function	Cond. & Temp., TDS & Temp., SAL & Temp. Simultaneously	
Display	16 character x 2 lines alphanumeric BL LCD	
Power supply	230 V ± 10% 50 Hz AC	
CONDUCTIVITY-TDS-SAL		
Range	Conductivity	0.00 uS/cm to 1000 mS Auto ranging
	TDS	0.0 ppm to 1000 ppt Auto ranging
	SAL	0.0 ppt to 50 ppt Auto ranging
Resolution	Conductivity	0.01 uS on the lowest range
	TDS	0.1 ppm
	SAL	0.1 ppt
Accuracy	± 0.5% of range ± 1 digit	
TDS Factor	0.50 (By default) & adjustable manually	
SAL Factor	0.75 (By default) & adjustable manually	
Cell const. adjustment	Digital 0.05 to 2.000 By default 1.000	
Temp. compensation	0 to 70°C Auto with temp. probe/Manual with keys	
Temp. coefficient adj.	0.00% to 4.00% adjustable. By default 2.00%	
Calibration	Manual	
Reference Temp.	20 Degree C & 25 Degree C	
Measuring Frequency	100 Hz & 1 KHz Auto Selection	
Mode of Calibration	By Value & By Measurement	
TEMPERATURE		
Range	-200°C to +200°C	
Resolution	0.1°C	
Accuracy	± 0.1% of range ± 1 digit	
Calibration	two point manual	
Sensors	Pt100 probe	
Data entry	By six soft touch keys with audible sound	
Storage	1000 samples	
Real time display	24 Hour mode with Date	
Interface	RS-232, Centronics & computer	
Print format	All Data Date Wise	
Digital output	Serial RS-232 Parallel Centronics	
Accessories	Conductivity Cell Dust cover	Instruction Manual Temp Probe



PRINT FORMAT:-

DATE	TIME	TEMP(DegC)	PARAMETER	MODE	SP.No
12/12/08	11:18	T= 020.0	C=00.00us/cm	MANUL	001
12/12/08	11:18	T= 020.0	TDS=00.00ppm	MANUL	002
12/12/08	11:18	T= 020.0	SAL=000.5ppt	MANUL	003

ACCESSORIES

- Conductivity Cell
- Temp. Probe
- Operation Manual
- Cell Stand
- Dust Cover



Appearance & specification subjected to change due to continuous development



SPECTRONICS INDIA

Mfgr.: Laboratory & Scientific Instruments

AN ISO 9001-2015 & CE CERTIFIED