

2. SPECIFICATIONS

2-1 General Specifications

Circuit	Custom one – chip microprocessor LSI circuit.
Display	Dual function display, 13 mm(0.5") Super large LCD display with contrast adjustment for best viewing angle.
Measurement	Conductivity : 3 ranges 199.9 uS, 1.999 mS, 19.99 mS. Temperature: 0 – 60 °C / 32 – 140 °F.
Temperature Compensation	Automatic from 0 to 60 °C(32 – 140 °F), with temperature compensation factor variable between 0 to 5.0% per C.
Memory Recall	Records Maximum, Minimum and Average readings with RECALL facility.
Power off	Manual off by push button or Auto shut off offer 10 minuite(Not activated during memory record function).
Data Output	RS 232 PC serial interface.
Over load indication	Indicated by " – – – –".
Sampling Time	Approx. 0.8 second.
Operating Temperature	0 to 50 °C – main instrument. 0 to 60 °C – probe only.
Operating Humidity	Max. 80% RH.
Power Supply	DC 9V battery, MN1604(PP3) or equivalent. Heavy duty type.
Power Current	Approx. DC 7.8 mA.

Weight	350 g/0.77 LB (included batteries)
Size	Main instrument: 180 x 72 x 32 mm(7.1 x 2.8 x1.3 inch). Probe : Round, 22 mm Dia. x 120 mm length.
Accessories Included	Instruction manual.....1 PC. Sensor probe.....1 PC. carrying case.....1 PC.

2-2 Electrical Specifications(23 ± 5°C)

A. Conductivity

Range	Measurement	Resolution	Accuracy
200 uS	0.1 to 199.9 uS	0.1 uS	± (3 % F.S. + 1 d) * F.S. – Full scale
2 mS	0.2 to 1.999 mS	0.001 mS	
20 mS	2 to 19.99 mS	0.01 mS	

* uS – micro Simens, mS – milli Simens

B. Temperature

Measuring Range	0 °C to 60 °C/32 °F to 140 °F
Resolution	0.1 °C/0.1 °F
Accuracy	0.8 °C/1.5 °F