CT1800

SENSOR MONITOR FOR CONDUCTIVITY AND TURBIDITY

TEST EQUIPMENT

FEATURES

- Quick reading of EC1500 Conductivity and 2600 Turbidity Meters
- Field verification of sensor operation
- One unit covers all ranges of EC1500 and 2600
- Uncompensated and Compensated Temperature switchable for the nominated EC sensor
- Simple controls
- Mains or battery for portable operation
- Software upgrades for future sensors
- No messy calibration solutions required for Conductivity or Turbidity
- Instantaneous response

NEW PRODUCT

APPLICATIONS

The ES&S CT1800 allows the EC1500 and 2600 water quality sensors to be easily checked in the field. The single unit powers up the sensors and displays output in real time.

Applications include:

- workshop and field testing instrument
- suitable for all field applications such as rivers, streams and dams
- field applications in conjunction with the ES&S EC1500 Field Verifier instead of sample testing solutions
- allows field calibration when used in conjunction with the ES&S EC1500 Field Verifier

es&s
www.esands.com

MADE IN AUSTRALIA

NCS INTERNATIONAL CERTIFIED QUALITY MANAGEMENT SYSTEM ISO 9001 CERTIFICATION N° 14363

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TECHNICAL SPECIFICATIONS

Conductivity Range:	0 - 70,000uS/cm
Turbidity Range:	0 - 10,000 NTU
Display:	Current (0-20mA) and Sensor Output
Battery:	9V Standard Battery 1.5 - 2 hours usage 9V Lithium Battery 4 - 6 hours usage
Connectors:	Hand Operated Push Terminals
Weight:	300g
Dimensions:	19.5 x 4 x 10cm

Operating Principle:

The CT1800 displays physical values of Conductivity and Temperature from the EC1500, and Turbidity from the 2600 sensor. Temperature is displayed in degrees C, Conductivity in displayed uS/cm, and Turbidity in NTUs. In addition, the raw currents are displayed in mA.

The CT1800 operates by measuring the 4-20mA currents generated by each sensor and calculating the corresponding Temperature, Conductivity or Turbidity based on scaling factors which depend on the range setting of the front panel. The scaling factors effectively change the interpretation of the current depending on which range is being used.

The temperature compensation switch, used for temperature compensates EC1500 sensors, modifies the raw Conductivity by adjusting the raw reading by 2% for every degree which the sensor differs from 25C.