

JENCO

Portable conductivity meter with TDS



VisionPlus EC3840 is an easy to use, IP67 rated portable conductivity meter with TDS, salinity and temperature readouts. Key features include a water-proof / dust-proof body, 4-wire conductivity cell, selectable cell constant and adjustable TDS coefficient.

- Simultaneous display of conductivity, salinity or TDS with temp. measurements
- Selectable cell constants for true wide range readings
- Adjustable TDS coefficient, reference temp. , temp. coefficient for most flexible and accurate TDS readings.
- Automatically finds the most suitable display range for your measurements
- Accepts 4-wire conductivity cell.
- Uses one conductivity cell for conductivity, salinity and TDS measurements.
- IP67 rated body for water-proof (up to 1 meter) and dust-proof operation.
- Removable shock-resistant rubber boot.

Specifications:

Conductivity Range	0.0 $\mu\text{S}/\text{cm}$ to 200.0 mS/cm
Conductivity Resolution	0.1 $\mu\text{S}/\text{cm}$, 1 $\mu\text{S}/\text{cm}$, 0.01 mS/cm , 0.1 mS/cm
Conductivity Accuracy	0.0 to 499.9 $\mu\text{S}/\text{cm}$ ($\pm 1\%$ of reading $\pm 2 \mu\text{S}/\text{cm}$) ; 500 to 4999 $\mu\text{S}/\text{cm}$ ($\pm 1\%$ of reading $\pm 5 \mu\text{S}/\text{cm}$) ; 5.00 to 49.99 mS/cm ($\pm 1\%$ of reading $\pm 0.05 \text{mS}/\text{cm}$) ; 50.0 to 200.0 mS/cm ($\pm 2.5\%$ of reading $\pm 0.5 \text{mS}/\text{cm}$)
Salinity Range	0.0 to 70.0 ppt
Salinity Resolution	0.1 ppt
Salinity Accuracy	$\pm 0.2\%$ F.S.
TDS Range	0.0 mg/L to 200.0 g/L
TDS Resolution	0.1 mg/L , 1 mg/L , 0.01 g/L , 0.1 g/L
TDS Accuracy	$\pm 1\%$ of reading
Temperature Range	Range -10.0 to 90.0 $^{\circ}\text{C}$
Temperature Resolution	0.1 $^{\circ}\text{C}$
Temperature Accuracy	$\pm 0.2 \text{ }^{\circ}\text{C}$ or $\pm 0.4\%$ F.S., whichever is greater.
Temperature Sensor Thermistor	10k ohm, at 25 $^{\circ}\text{C}$
Reference Temperature	15.0 to 25.0 $^{\circ}\text{C}$, default 25.0 $^{\circ}\text{C}$
Temperature Coefficient	From 0.00 to 4.00%, default 1.91%
TDS Constant	From 0.30 to 1.00, default 0.65
Calibration Back-up	Yes
Automatic Temperature Compensation (ATC)	Yes
Audio Feedback	All Touch Keys
Power Supply	4 x AAA batteries
Ambient Temperature	From 0 to 50 $^{\circ}\text{C}$
Weight (Battery included)	230 g
Dimensions	75 \times 157 \times 35 mm