

# CON 2700 Meter

**A great low price for a high performance meter that measures conductivity, total dissolved solids, resistivity, and salinity!**

**New**

**Takes up less bench space** – Overall footprint is nearly 40% smaller than other benchtop meters

**Oversized liquid crystal display with bright backlighting** – Easier viewing under all lighting conditions

**Dynamic reading stability indication shows when your measurement is stable** – Eliminates guesswork from unstable readings

**Up to 500 point nonvolatile memory with time-and-date stamp** – Meets GLP requirements

**Bidirectional RS-232** for easy data transfer to your computer

**Includes a high-performance 4-cell conductivity probe!** – Higher accuracy across a broader range of samples

**Auto-calibration makes calibration easier** – Meter automatically selects a conductivity calibration standard value based on the range and normalization temperature being used

**Auto-standarization** – detects the exact cell constant of your electrode

**Probe status** – Indicates when probe maintenance or replacement should be done

**Cal-due alarm** – no more out-of-date calibrations

**User-settable limit alarms** – alerts when reading falls out of range

**Password protection** – prevents unauthorized setup or calibration



Unstable reading



Stable reading



ISO9001:2000  
CERTIFIED SUPPLIER

3 year  
warranty  
meter only

## Specifications

Mode	Conductivity	TDS	Salinity	Resistivity	Temperature
Range	0.050 $\mu$ S/cm to 500.0 mS/cm (5-range autoranging)	0.050 to 500.0 ppt	0.0 to 80.0 ppt	2.000 $\Omega$ to 20.0 M $\Omega$	0.0 to 100.0°C (32.0 to 212°F)
Resolution	0.01, 0.1 $\mu$ S/cm, 0.001, 0.01, 0.1 mS/cm	0.01, 0.1 ppm, 0.001, 0.01, 0.1 ppt	0.01, 0.1 ppm; 0.001, 0.01, 0.1 ppt	0.01/0.1 $\Omega$ , 0.01/0.1 k $\Omega$ , 0.01 M $\Omega$	0.1°C or °F
Accuracy	± 1% full scale	± 1% full scale	± 1% full scale	± 1% full scale	± 0.3°C (± 0.5°F)
Calibration	5 points (one point per range)	5 points (one point per range)	5 points (one point per range)	5 points (one point per range)	Offset in 0.1 increments, ± 5°C (± 9°F)
Connectors	8-pin DIN	8-pin DIN	8-pin DIN	8-pin DIN	8-pin DIN

**Temperature compensation:** manual or automatic from -5°C to 105°C

**Conductivity temp coefficient:** adjustable from 0.0 to 10% per °C/°F

**Conductivity cell constant:** 0.01 to 10.000

**Conductivity-to-TDS factor:** adjustable from 0.4 to 1.0

**Normalization temperature:** adjustable from 15 to 30°C

**Memory:** up to 500 data sets

**Output:** RS-232, 9-pin female

**Display:** 3/4" x 2 7/16" (8.3 x 6.2 cm) graphic LCD with backlight

**Operating temperature:** 41 to 113°F, noncondensing

**Power:** universal 110/240 VAC with adapters; UL/CSA listed

**Dimensions**

**Meter:** 6 1/8" x 6 7/8" x 2 3/4" (15.5 x 17.5 x 6.9 cm)

**Boxed:** 12" x 9" x 5" (30.8 x 15.5 x 12.4 cm)

**Weight**

**Meter only:** 1.4 lbs (650 g); **Boxed:** 4 lbs (1800 g)

## Ordering Information

Catalog number	Description	Included
WD-35412-00	CON 2700 meter	Meter, 4-cell conductivity/temperature probe 35412-10, electrode holder, and universal 110/240 VAC power supply

**WD-35412-10 Replacement conductivity/temperature probe for 2700-series meter;** 4-cell, K= 1.0 epoxy/graphite

**WD-35420-01 RS-232 cable**  
**WD-22050-58 RS-232 to USB adapter** (requires 35420-01)



Laboratory

See page 45 for conductivity probes and calibration standards.