

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-standardization – 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Cal-due alarm – no more out-of-date calibrations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 μ S/cm to 500.0 mS/cm (5-range autoranging)	0.050 to 500.0 ppt	0.0 to 80.0 ppt	2.000 Ω to 20.0 M Ω	0.0 to 100.0°C (32.0 to 212°F)
Resolution	0.01, 0.1 μ 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 Ω , 0.01/0.1 k Ω , 0.01 M Ω	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.