

# CON 700 Meter

**An affordable way to take consistent, accurate conductivity measurements in your laboratory!**

**Extra-large dual display shows both conductivity or TDS, and temperature in °C or °F** – Plus mode indicators and annunciators to indicate meter status

**Compact size saves bench space**

**Single- and multi-point automatic or manual calibration** – Customize meter calibration for quick checks or for best meter accuracy

**Auto ranging across five ranges** – Offers the best resolution for your measurements

**Advanced setup mode** – Recalls previous calibration data, conductivity/TDS effective cell constants per range, and more

**Built-in nonvolatile memory** – Stores up to 100 conductivity or TDS readings with corresponding temperature

**Automatic or manual temperature compensation**

**Selectable cell constant** –

K = 0.1 for pure water;

K = 1.0 for most applications;

K = 10 for concentrated solutions

**Adjustable conductivity-to-TDS conversion factor and temperature coefficient** – Gives highest accuracy in any solution

**Selectable normalization temperature** – Choose between 15 to 30°C

**Removable electrode holder arm; selectable "Ready" indicator; Hold function; diagnostic error messages**

**Includes conductivity cell** – With cell constant of 1.0—ideal for most applications

A wide range of conductivity cells and calibration solutions are available. See page 45 to order.



CON 700 meter includes electrode holder and handy slide-out instruction card.

ISO9001:2000  
CERTIFIED SUPPLIER



3 year  
warranty  
meter only

## Specifications

Mode	Conductivity	TDS	Temperature
Ranges (Resolution)	0.00 to 20.00 $\mu$ S (0.01 $\mu$ S), 0.0 to 200.0 $\mu$ S (0.1 $\mu$ S), 0 to 2000 $\mu$ S (1 $\mu$ S), 0.00 to 20.00 mS (0.01 mS), 0.0 to 200.0 mS (0.1 mS)	0.00 to 10.00 ppm (0.01 ppm), 10.0 to 100.0 ppm (0.1 ppm), 100 to 1000 ppm (1 ppm), 1.00 to 10.00 ppt (0.01 ppt), 10.0 to 100.0 ppt (0.1 ppt), 100 to 200 ppt (1 ppt)*	0.0 to 100.0°C (0.1°C), 32.0 to 212.0°F (0.1°F)
Accuracy	$\pm 1\%$ full-scale or $\pm 1$ digit		$\pm 0.5^\circ\text{C}$ , $\pm 0.9^\circ\text{F}$
Calibration	Automatic: single or multi-point up to 4 points (84 $\mu$ S, 1413 $\mu$ S, 12.88 mS, 111.8 mS); Manual: single or multi-point (up to 5 points per range for multi-point calibration)		Offset 0.1° increments up to $\pm 5^\circ$

\*200 ppt @ 1.0 factor

**Cell constant (K):** 0.1, 1.0, or 10 (selectable)

**Temperature compensation:** automatic or manual (selectable) from 32 to 212°F (0 to 100°C)

**Temperature coefficient:** adjustable from 0 to 10% per °C or °F

**Conductivity-to-TDS factor:** adjustable from 0.40 to 1.00

**Normalization temperature:** 15 to 30°C (adjustable)

**Memory:** 100 sets

**Display:** dual display of conductivity or TDS, with temperature (°C or °F)

**Error messages:** diagnose operator error, electrode error, and meter error. Pull-out instruction card decodes message.

**Operating temperature:** 0 to 50°C (32 to 122°F)

**Power:** 500 mA; 100/240 VAC, 50/60 Hz using AC adapter (included). AC adapter is UL and CSA listed.

### Dimensions

**Meter:** 6 $\frac{1}{8}$ " x 6 $\frac{7}{8}$ " x 2 $\frac{3}{4}$ " (15.5 x 17.5 x 6.9 cm)

**Boxed:** 9" x 12 $\frac{3}{4}$ " x 5" (23 x 35 x 12.5 cm)

### Weight

**Meter only:** 1.25 lb (0.6 kg); **Boxed:** 3 lb (1.4 kg)

## Ordering Information

Catalog number	Description	Included
WD-35411-00	CON 700 meter	Meter, conductivity cell with an Ultem® body/stainless steel sensor K = 1.0 (35608-74), electrode holder, and AC adapter

**WD-35608-72 Conductivity cell**, epoxy body, platinum sensor, built-in temperature sensor (K = 0.1). 3-ft (1-m) cable

**WD-35608-74 Replacement conductivity cell**, Ultem body, stainless steel sensor, built-in temperature sensor (K = 1.0). 3-ft (1-m) cable

**WD-35608-76 Conductivity cell**, epoxy body, platinum sensor, built-in temperature sensor (K = 1.0). 3-ft (1-m) cable

**WD-35608-78 Conductivity cell**, epoxy body, platinum sensor, built-in temperature sensor (K = 10). 3-ft (1-m) cable