

# OAKTON®

conductivity/TDS/°C

# CON 10 Economy Meter

Our most economical meter with a **dual display**, which lets you see **BOTH conductivity or TDS and temperature at a glance!**

**Measurements in both TDS and conductivity**

**Auto ranging across four ranges** for fast response and best resolution over a wide range

**Four-point conductivity calibration**

calibrate one point per range for high  $\pm 1\%$  full-scale accuracy

**Selectable manual or automatic temperature compensation** for great accuracy in any situation

**Adjustable Conductivity-to-TDS conversion factor from 0.4 to 1.0**

**Includes conductivity cell with 3-ft cable**

this fast-responding cell is ideal for hard-to-reach places and small sample sizes

**Power with batteries or optional AC adapter**

for use in the field or at your benchtop

**Built-in stand** for benchtop use

**Ready indicator**

indicates when your reading has stabilized, so you always record the best reading

**Hold function**

freezes measurements for convenient reading and recording

**Auto-off function**

turns meter off after 20 minutes of non-use to conserve batteries



ISO 9001  
Vendor  
CERTIFIED

2 year  
warranty  
meter only



*Above:* The CON 10 meter shown with conductivity cell (included).

*Top right:* The probe holder positions conductivity cell for one-handed use.

*Middle right:* Conductivity calibration kit includes calibration standards, deionized water, sample bottle and hard carrying case that has room for your meter (sold separately).

*Bottom right:* Portable meter carrying case protects meter while in use (sold separately).

**The OAKTON CON 10 is an economical, microprocessor-based meter that is simple to use!** This meter reads both conductivity and TDS across four ranges. The dual display lets you see conductivity or TDS and temperature in °C at a glance. It is perfect for taking routine conductivity and temperature measurements.

Use the built-in stand and optional AC adapter (order separately) for benchtop applications. The probe cable wraps behind the meter for easy one-hand operation. All meter functions are accessible from the water-resistant membrane keypad.

Conductivity calibration kits contain a variety of calibration standards and come with a hard carrying case that has space for your meter (order separately). See the back of this sheet for ordering information and complete specifications.

**OAKTON® ...setting the standard, again and again™**

Large dual LCD shows measurement plus temperature, units and current function.



Easy access connections for conductivity cell, temperature probe and optional AC adapter are located on the meter's top.



Handy probe holder positions conductivity cell for one-hand use or storage. Probe cable wraps up neatly behind meter.



Sturdy built-in meter stand for convenient tabletop use.



Calibration solutions are available in economical bottles or convenient pouches with a tear-off top (order separately).



Calibration kit contains the supplies you need for fast calibration and measurement in the field, all in a hard shell carrying case.



## CON 10 Economy Meter

### • Applications •

**Routine testing:** These meters are ideal for quick, accurate conductivity or TDS checks in labs and schools.

**Water quality testing:** Use to test hard water, untreated water, drinking water, incoming process water, and pool water. These meters are also useful in the hydroponics and agricultural industries.

**Industrial applications:** Use them to check pollution control, metal finishing, cooling tower water, boiler water, brines, rinse tanks, ponds, recirculating systems, and waste water.

### • Specifications •

Mode	Conductivity	TDS	Temperature
Ranges (Resolution)	0.00 to 19.99 $\mu$ S (0.01 $\mu$ S) 0.0 to 199.9 $\mu$ S (0.1 $\mu$ S) 0 to 1999 $\mu$ S (1 $\mu$ S) 0.00 to 19.99 mS (0.01 mS)	0.00 to 9.99 ppm (0.01 ppm) 0.0 to 99.9 ppm (0.1 ppm) 0 to 999 ppm (1 ppm) 1.00 to 9.99 ppt (0.01 ppt)	Epoxy body cells: 0 to 80°C (0.1°C) Glass body cells: 0 to 100°C (0.1°C)
Accuracy	$\pm$ 1% full scale	$\pm$ 1% full scale	$\pm$ 0.5°C
Calibration	up to four points (one point per range)	up to four points (one point per range)	offset 0.1°C increments

Temperature compensation: Automatic or manual from 0 to 50°C

Operating temperature: 0 to 50°C

Cell constant (K): fixed at 1.0

Temperature coefficient: fixed at 2.00% per °C

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

Power: 4 x 1.5 V AAA batteries >60 hours continuous use (included); 9 V, 500 mA AC adapter (optional)

Dimensions:

Meter: 7.5"L x 3.5"W x 1.75"H (19 cm x 9 cm x 4.5 cm)

Boxed: 9.2"L x 8.2"W x 2.75"H (23 cm x 23 cm x 7 cm);

Weight: Meter: 1 lb (0.5 kg);

Boxed: 2 lbs (0.9 kg)

### • Ordering Information •

#### CON 10 Meter

The CON 10 meter includes conductivity cell WD-35607-02 (K=1.0), one probe holder, operating instructions and batteries. Shpg wt 2 lbs (0.9 kg).

WD-35607-00 CON 10 meter

#### Conductivity Cells

Conductivity cells feature a built-in temperature sensor, except as indicated. Choose a cell with K = 1.0 for midrange measurements; K=0.1 for low range measurements; K = 10 for high range measurements. 100 mm L x 12 mm dia with 3-ft cable. Shpg wt 0.4 lb (0.2 kg).

WD-35607-02 Replacement conductivity cell, epoxy body/stainless steel sensor. (K = 1.0)

WD-35607-50 Conductivity cell, epoxy body/platinum sensor (K = 1.0)

WD-35607-51 Conductivity cell, epoxy body/platinum sensor (K = 10)

WD-35607-55 Conductivity cell, epoxy body/platinum sensor (K = 0.1)

WD-35607-52 Conductivity cell, glass body/platinum sensor (K = 1.0)

WD-35607-53 Conductivity cell, glass body/platinum sensor (K = 10)

WD-35607-56 Conductivity cell, glass body/platinum sensor (K = 0.1)

WD-35607-57 Conductivity cell, stainless steel body and sensor (K = 1.0). Removable guard for easy cleaning

WD-35607-54 Flow-through conductivity cell, glass body/platinum sensor (K = 1.0). Use for continuous in-line measurement for flows up to 1 gal/min 100 mm L x 22 mm dia with 10-ft cable.

#### Accessories

WD-35615-07 AC adapter, 9 VDC to 110 VAC.

WD-35615-08 AC adapter, 9 VDC to 220 VAC.

WD-09376-00 Replacement batteries, 1.5 V AAA. Pack of 12

#### WD-35615-75 Portable meter carrying case.

Protects meter while still letting you take measurements—case's top and side openings let probe and probe connections remain accessible. Shpg wt 1 lb (0.5 kg)

WD-35607-69 Calibration kit contains four each of TDS "Singles" calibration solution pouches 447  $\mu$ S, 1413  $\mu$ S, 2764  $\mu$ S, and 15.0 mS and four rinse water pouches, all in a hard plastic carrying case with room for your meter. Dimensions: 11.5"L x 14"W x 3"H. Shpg wt 1.5 lbs (0.7 kg)

#### Calibration solutions

Catalog number	Calibration solution type	Conductivity-to-TDS conversion factors		
		ppm KCl	ppm NaCl	ppm 442

Calibration solution pouches. box of 20. Each pouch contains 20 ml of premixed calibration solution. Since the pouches are individually sealed, the solution is guaranteed to be fresh and contaminant free every time. Accuracy  $\pm$ 1% at 25°C. Shpg wt 1 lb (0.5 kg).

WD-35653-09	10 $\mu$ S	4.7	4.8	7.0
WD-35653-10	447 $\mu$ S	225.6	215.5	300.0
WD-35653-11	1413 $\mu$ S	744.7	702.1	1000
WD-35653-12	2764 $\mu$ S	1382	1414.8	2062.7
WD-35653-13	15,000 $\mu$ S	8759	8532	13,455

Calibration solution bottles. 1 pint of premixed calibration solution in recyclable-PE bottle. Accuracy  $\pm$ 1% at 25°C. Shpg wt 1.1 lbs (0.5 kg).

WD-00653-23	23 $\mu$ S	11.6	10.7	14.74
WD-00653-16	84 $\mu$ S	40.38	38.04	50.50
WD-00653-47	447 $\mu$ S	225.6	215.5	300.0
WD-00653-18	1413 $\mu$ S	744.7	702.1	1000
WD-00653-15	1500 $\mu$ S	757.1	737.1	1050
WD-00653-27	2070 $\mu$ S	1045	1041	1500
WD-00653-20	2764 $\mu$ S	1382	1414.8	2062.7
WD-00653-89	8974 $\mu$ S	5101	4487	7608
WD-00606-10	12,880 $\mu$ S	7447	7230	11,367
WD-00653-50	15,000 $\mu$ S	8759	8532	13,455

### • ORDER FROM •