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 ±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

CE





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.

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 µS (0.01 µS) 0.0 to 199.9 µS (0.1 µS) 0 to 1999 µS (1 µS) 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	±1% full scale	±1% full scale	±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 µS, 1413 µS, 2764 µS, 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 ±1% at 25°C. Shpg wt 1 lb (0.5 kg).

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

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

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

• ORDER FROM •

Bulletin CON B2R2

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