

OAKTON®

waterproof conductivity/°C/°F, TDS/°C/°F and conductivity/TDS/°C/°F CON 400, TDS 400 and CON 410

Highly advanced microprocessor-based conductivity meters with a superior waterproof housing...and they **FLOAT!**

Durable waterproof and dustproof design; IP67 rating

Easy to clean housing
ideal for dirty, wet environments and food applications

Expanded memory
stores and recalls up to 50 readings with temperature, and previous calibration data

Real-time clock
stamps stored data and calibration data with date and time; meets standards for GLP

°C or °F selectable

Manual or automatic temperature compensation
for the highest accuracy in any situation

Selectable temperature coefficient
adjustable from 0 to 10% per °C for accurate compensation of almost any solution

Selectable cell constant
K = 1.0 for general applications; K = 0.1 for pure water; K = 10 for concentrated solutions

Includes conductivity cell with 3-ft cable (K=1.0)
ideal for hard to reach places, small sample sizes and fast responses

CON 400 features

Reads conductivity from 0 to 199.9 mS in five ranges

TDS 400 features:

Reads TDS from 0 to 200 ppt in six ranges

Features adjustable TDS conversion factor (0.4 to 1.0) for better accuracy

CON 410 features:

Switch between conductivity and TDS with a press of a button



ISO 9001
CERTIFIED

3 year
warranty
meter only

CE

Above: CON 410 shown with conductivity cell (included).

Top right: floating CON 400 shown with conductivity cell (included).

Middle right: These meters are ideal for dirty applications.

Bottom right: Conductivity calibration kit comes with everything you need to calibrate your meter (meter not included).

Perfect for conditions that ruin ordinary conductivity meters! The OAKTON CON 400, TDS 400 and CON 410 feature a superior waterproof and dustproof housing with IP67 rating. These meters read conductivity, TDS or both, and temperature in °C or °F (selectable).

The SETUP mode lets you customize meter parameters. Selectable auto-endpoint feature automatically freezes reading when it stabilizes. Other features include Hold function, Ready indicator, self-diagnostic error messages and automatic shutoff after 30 minutes of non-use.

Conductivity calibration kits contain a variety of calibration standards in 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 waterproof connections for conductivity and temperature probe are located on the meter's top.



Superior waterproof housing that FLOATS for those accidental drop into water.



Removable probe guard makes cleaning easy.



Calibration solutions are available in economical bottles or convenient pouches (order separately).



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



Bulletin CON B4R2

CON 400, TDS 400 and CON 410 Meters

• Applications •

Routine testing: These meters are ideal for quick, accurate conductivity or TDS checks in labs, field 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 to check pollution control, metal finishing, cooling tower water, boiler water, drilling mud, brines, rinse tanks, ponds, recirculating systems, and waste water.

• Specifications •

Mode	Conductivity (CON 400 and 410 meters)	TDS (TDS 400 and CON 410 meters)	Temperature
Ranges (Resolution)	0.00 to 19.99 μ S (0.01 μ S); 0.0 to 199.9 μ S (0.1 μ S); 0 to 1999 μ S (1 μ S); 0.00 to 19.99 mS (0.01 mS); 0.0-199.9 mS (0.1 mS)	0.00 to 9.99 ppm (0.01 ppm); 10.0 to 99.9 ppm (0.1 ppm); 100 to 999 ppm (1 ppm); 1.00 to 9.99 ppt (0.01 ppt); 10.0-99.9 ppt (0.1 ppt); 100-200 ppt (1 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; ±0.5°F
Calibration	up to five points (one point per range)	up to five points (one point per range)	offset 0.1° increments

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

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

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

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

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

Memory: Up to 50 sets

Real-time clock: Stamps calibration data and stored data with time and date (month and day)

Power: 4 x 1.5 V AAA batteries >100 hours continuous use (included)

Dimensions:

Meter: 7.5"L x 3.75"W x 2.25"H (19 x 9.5 x 5.7 cm)

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

Weight: Meter: 1.0 lb (0.5 kg); Boxed: 2.0 lbs (0.9 kg)

• Ordering Information •

CON 400, TDS 400 and CON 410 Meters

All meters include conductivity cell WD-35608-50 (K=1.0), operating instructions and batteries. Shipping weight 2.0 lb (0.9 kg).

WD-35608-00 Waterproof CON 400 meter

WD-35608-05 Waterproof TDS 400 meter

WD-35608-10 Waterproof CON 410 meter

Conductivity Cells and Accessories

Conductivity cells Two-band platinum sensor. Choose K=1.0 for midrange; K=0.1 for low range; K=10 for high range. 5"L x 0.5" dia with 3-ft (0.9 m) cable. Shpg wt 0.4 lb (0.2 kg).

WD-35608-50 Replacement conductivity cell, Ultem body, steel sensor, with built-in temp. sensor. (K=1.0)

WD-35608-51 Conductivity cell, epoxy body, platinum sensor, with built-in temp. sensor. (K= 10)

WD-35608-55 Conductivity cell, epoxy body, platinum sensor, with built-in temp. sensor. (K= 0.1)

WD-35608-57 Conductivity cell, Ultem body, steel sensor, with built-in temp. sensor. 10-ft cable. Not for use above 20 mS / 10 ppt. (K= 1.0)

WD-35607-69 Calibration kit contains four each of TDS "Singles" calibration solution pouches 447 μ S, 1413 μ S, 2764 μ 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)

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

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 μ S	4.7	4.8	7.0
WD-35653-10	447 μ S	225.6	215.5	300.0
WD-35653-11	1413 μ S	744.7	702.1	1000
WD-35653-13	15,000 μ S	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-00653-16	84 μ S	40.38	38.04	50.50
WD-00653-47	447 μ S	225.6	215.5	300.0
WD-00653-18	1413 μ S	744.7	702.1	1000
WD-00653-15	1500 μ S	757.1	737.1	1050
WD-00653-89	8974 μ S	5101	4487	7608
WD-00606-10	12,880 μ S	7447	7230	11,367
WD-00653-50	15,000 μ S	8759	8532	13,455
WD-00653-32	80 mS	52,168	48,384	79,688

• ORDER FROM •