OAKTON®

conductivity/°C and TDS/°C

ACORN™ CON 5 and TDS 5

These rugged and compact meters offer high accuracy at an extremely affordable price

All push button operation
for quick, easy use—no trimpots to adjust!

Auto ranging across three ranges
for high resolution and fast response

Three-point calibration
calibrate one point per range for ±2% full-scale accuracy

Temperature readout and automatic temperature compensation (ATC)
for high accuracy in changing temperature conditions

Hold function
freezes measurements for convenient reading and recording

Auto-off function
turns off meter after 17 minutes of non-use to conserve batteries

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

Optional protective boot
helps shield your meter from drops and dings and features a built-in stand

Meter Kits available
contains everything you need for calibration and measurement packaged in a hard carrying case

ISO 9001 vendor CERTIFIED

3 year warranty meter only

CE



Above: TDS 5 portable meter shown with conductivity cell (included).

Top right: CON 5 taking conductivity measurements.

Middle right: CON 5 shown with optional rubber boot.

Lower right: TDS 5 meter kit contains everything you need for calibration and measurement.

TDS 5 features:

Adjustable Conductivity-to-TDS factor from 0.50 to 0.85
use with a wide range of salts

Rugged and compact, the OAKTON ACORN™ Series CON 5 and TDS 5 offer high accuracy at an extremely affordable price! These are our most economical microprocessor-based portable conductivity and TDS meters. Choose between the CON 5 or TDS 5 meter—the CON 5 takes measurements in µS or mS and the TDS 5 in ppm or ppt.

The CON 5 and TDS 5 offers easy access connections for conductivity cell and temperature sensor. Toggle between conductivity or TDS and temperature with a press of the button. The splash-resistant membrane keypad helps protect meter components from those occasional spills. The large LCD gives you a clear reading at a glance, and warns you of low-battery conditions or calibration errors.

The ACORN™ Series CON 5 and TDS 5 are available in kits and include all the components for fast, consistent calibration and measurement. Order the optional rubber boot to protect your meter from drops and dings. See the back of this sheet for ordering information, complete specifications and accessories.

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

Temperature display at the touch of a button.



Easy access connections for conductivity cell and temperature sensor.



Splash-resistant keypad helps protect components.



Optional rubber boot offers sturdy protection for meter; acts as stand for benchtop use.



Acorn Conductivity and TDS meter kits store and organize all the components you need for fast, consistent calibration and measurement.



Bulletin CON B1R1

ACORN™ CON 5 and TDS 5

• Applications •

Water Quality Testing: Use to test hard water, untreated water, drinking water, incoming process water, boiler and cooling tower water, and pool water.

Environmental/Agricultural Applications: Ideal for nutrient and fertilizer checks in the hydroponics and agricultural industries.

Educational Applications: These economical, sturdy meters are ideal for quick, accurate checks in labs and schools.

• Specifications •

Model	Conductivity (CON 5 only)	TDS (TDS 5 only)	Temperature
Range/ Resolution	0.0 to 199.9 µS/0.1 µS 200 to 1999 µS/1 µS 2.00 to 19.99 mS/0.01 mS	0.0 to 99.9 ppm/0.1 ppm 100 to 999 ppm/1 ppm 1.00 to 9.99 ppt/0.01 ppt	0.0 to 100.0 °C/0.1 °C
Accuracy	±2% full scale	±2% full scale	±0.5 °C
Calibration	1 to 3 points (push button; 1 point per range)		Offset 0.1°C increments

Temperature compensation: Automatic Temperature Compensation (ATC) from 0.0 to 50.0°C

Operating temperature: 32 to 122°F; 0 to 50°C

Cell constant (K): 1

Temperature coefficient: fixed at 2% per °C

Conductivity-to-TDS factor (TDS 5 meter only): adjustable from 0.50 to 0.85

Power: 4 x 1.5 V AAA >60 hours continuous use (included)

Dimensions:
Meter: 5.5" x 2.7" x 1.3" (14 x 7 x 3.5 cm)
Boxed: 9.25" x 6.5" x 3.0" (23.5 x16.5 x 7.5 cm)

Weight:
Meter: 0.9 lb (408 g)
Boxed: 1 lb (450 g)

• Ordering Information •

ACORN™ CON and TDS Meters

All meters include operating instructions and batteries. Shipping weight: 1.0 lb (0.45 kg)

WD-35606-00 CON 5 with conductivity/temperature probe

WD-35606-05 TDS 5 with conductivity/temperature probe

ACORN CON and TDS Meter Kits, contains Acorn meter, conductivity/temperature probe, 5 each "Singles" conductivity standard pouches 447 µS, 1413 µS, 2764 µS, 15,000 mS and rinse water, 60 ml sample bottle, batteries and instructions, all in a hard carrying case. Shpg wt. 2.0 lbs (0.9 kg)

WD-35606-70 CON 5 Kit

WD-35606-75 TDS 5 Kit

Conductivity Cells and Accessories

WD-35606-80 Protective rubber boot for Acorn Series meters. Shpg wt 0.5 lb (0.2 kg)

WD-35606-50 Replacement Conductivity cell includes temp sensor 5.2"L x 0.47" OD (12 mm). Shpg wt 0.5 lb (0.2 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 (454 g).				
WD-35653-09	**10 µS**	4.8	4.7	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 (510 g).				
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 •

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