

Handheld Conductivity/TDS Meter Selection Guide

Get Better Accuracy

Oakton® offers meters with accuracy up to ±1% full-scale. Many meters feature adjustable temperature coefficients and TDS conversion factors. These functions let you minimize, even eliminate errors that are inherent in other manufacturers' less capable meters.

Get Dependability

Oakton meters are built to last and include a two- or three-year warranty. Standard and waterproof meters are built for field duty and the Acorn® series meters come with a protective rubber boot. The benchtop model offers high precision and stability. With the latest in technology including ASIC microprocessors, we offer trouble-free performance for years.

See page 46 to order conductivity/TDS cells and accessories.



Acorn® series



Standard series



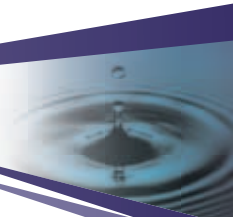
Waterproof 400 series



Waterproof 600 series

Use this chart to find the best conductivity or TDS meter for your application

Meter	Acorn® series	Standard series	Waterproof 400 series	Waterproof 600 series
See pages	39-40	41-42	43	44
Special features	Low-cost, rugged compact	Economical, dual-display meter	Holds up in rough environments	Most powerful, ideal for the field
Display	Single-line LCD	Dual LCD	Dual LCD	Multi-line dot matrix
IP67 housing	—	—	Yes	Yes
Memory	—	50 to 100 points	50 points	Up to 500 points
Communication	RS-232	RS-232 (CON 110 only)	—	IrDA
Real-time clock	—	—	Yes	Yes
Calibration points	5	5	5	5
Auto standard recognition	Yes	Yes	No	Yes
Selectable calibration points	Yes	Yes	Yes	Yes
Automatic endpoint	—	—	Yes	Yes
Automatic shutoff	After 20 minutes	After 20 minutes	After 20 minutes	Selectable
Hold function	Yes	Yes	Yes	Yes
Ready/stability indicator	—	Yes	Yes	Yes
Error messages	Yes	Yes	Yes	Yes
Protective rubber boot	Included	—	—	Optional
Built-in stand	Yes (in boot)	Yes	—	Yes (in boot)
Optional AC power	—	Yes	—	Yes



Acorn[®] CON 6 Meter

Variety of features at an economical price!

Wider measuring ranges

- ▼ CON 6 features five measuring ranges—up to 200.0 mS

Automatic or manual ranging across five ranges

- ▼ For a wide variety of applications from pure water to boiler blow down water

Easy, push-button operation

Temperature readout and automatic temperature compensation (ATC)

- ▼ For high accuracy in changing temperature conditions

Hold function; Auto-off function

- ▼ Meters shut off after 20 minutes of nonuse

Automatic or manual calibration

- ▼ For quick and easy calibrations, use automatic mode with preset calibration points at the most popular values. For more flexibility, calibrate in the manual mode and set your calibration point at any value. Five-point calibration.

Setup functions

- ▼ Customize automatic temperature compensation and cell constant for better accuracy and precision

Includes fast-response probe

- ▼ Easy to clean; 1.0 cell constant

Protective rubber boot

- ▼ Helps shield your meter from drops and dings, and features a built-in stand

Applications

Water quality testing: Use to test conductivity of industrial and rinse water, incoming process water, boiler and cooling tower water, and pool water.

Printing: Useful for testing printing press solutions and developer concentrations on printing plates.



Above: Protective rubber boot features a built-in stand

Left: CON 6 includes a fast-response conductivity probe

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CE 3 year warranty
meter only

Specifications

Model	Acorn CON 6
Range (Resolution)	0 to 20.00 μ S (0.01 μ S), 0 to 200.0 μ S (0.1 μ S), 0 to 2000 μ S (1 μ S), 0 to 20.00 mS (0.01 mS), 0 to 200.0 mS (0.1 mS)
Accuracy	\pm 1% full scale
Cell constant	0.1, 1, and 10 (selectable)
Calibration	Up to 5 points, one per band on conductivity range
Ranging	Automatic or manual (selectable)

Temperature range: -10.0 to 110.0°C

Temperature resolution/accuracy: 0.1°C/ \pm 0.5°C

Temperature compensation: automatic or manual from 0.0 to 50.0°C

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

Temperature coefficient: adjustable from 0 to 3% per °C

Normalization temperature: 20 or 25°C, selectable

Probe connection

- For conductivity: BNC
- For temperature: subminiature audio

Power: four 1.5 V AAA batteries (included); battery life approx 100 hours continuous use

Dimensions

Meter: 5.5" x 2.7" x 1.3" (14 x 7 x 3.5 cm)
Probe: 5.1" L x 0.625" dia with 36" L cable
(13 cm L x 1.6 cm dia with 91 cm L cable)
Boxed: 8.3" x 5.9" x 3.0" (21 x 15 x 7.5 cm)

Weight

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

Ordering Information

Catalog number	Description	Included
WD-35606-10	CON 6 meter	Meter, fast-response conductivity probe (K = 1.0), protective rubber boot, and four AAA batteries

WD-35606-53 Conductivity probe, K = 0.1

WD-35606-55 Replacement conductivity probe, K = 1.0

WD-35606-57 Conductivity probe, K = 10

WD-35632-97 Carrying case for Acorn meter. Includes one rinse bottle and three sample bottles

Acorn® TDS 6 and SALT 6 Meters

Wider measuring ranges

- ▼ TDS 6 features five measuring ranges—up to 200.0 ppt

Easy, push-button operation

Temperature readout and automatic temperature compensation (ATC)

- ▼ For high accuracy in changing temperature conditions

Hold function; Auto-off function

- ▼ Meters shut off after 20 minutes of nonuse

Automatic or manual calibration

- ▼ For quick and easy calibrations, use automatic mode with preset calibration points at the most popular values. For more flexibility, calibrate in the manual mode and set your calibration point at any value.

Setup functions

- ▼ Customize automatic temperature compensation, cell constant, and TDS conversion factor for better accuracy and faster use

Includes fast-response probe

- ▼ Easy to clean; 1.0 cell constant

Protective rubber boot

- ▼ Helps shield your meter from drops and dings and features a built-in stand

TDS 6 features:

Automatic or manual ranging across five ranges

- ▼ For a wide variety of applications from pure water to boiler blow down water

SALT 6 features:

Custom conductivity-to-TDS conversion curve

- ▼ For the highest accuracy

Applications

Water Quality Testing: Use to test TDS of industrial and rinse water, incoming process water, boiler and cooling tower water, and pool water. Check salt levels in brines, pool water, and aquaculture systems.

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



TDS 6 includes fast-response probe



Protective rubber boot features a built-in stand



SALT 6 is ideal for measuring brines

Specifications

Model	Acorn TDS 6	Acorn SALT 6
Range/Resolution	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, up to 200.0 ppt*	1 to 50.0 ppt/0.1 ppt, 0.1 to 5.00%/0.01%
Accuracy	±1% full-scale	±1% full-scale
Cell constant	0.1, 1, and 10 (selectable)	1.0
Conductivity-to-TDS/Saline conversion factor	0.4 to 1.00 adjustable	Nonlinear compensation
Calibration	Up to 5 points, one per band on conductivity range	One point in 1 to 50 ppt range
Ranging	Automatic or manual (selectable)	—

*Depending on TDS factor setting.

Temperature range: -10.0 to 110.0°C

Temperature resolution/accuracy: 0.1°C/±0.5°C

Temperature compensation: automatic or manual from 0.0 to 50.0°C

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

Temperature coefficient: adjustable: 0 to 3% per °C

Normalization temperature: 20 or 25°C, selectable

Probe connection

For conductivity, TDS, and SALT: BNC

For temperature: subminiature audio

Power: four 1.5 V AAA batteries (included), approx 100 hours continuous use

Dimensions

Meter: 5.5" x 2.7" x 1.3" (14 x 7 x 3.5 cm)

Probe: 5.1" L x 0.625" dia with 36" L cable

(13 cm L x 1.6 cm dia with 91 cm L cable)

Boxed: 8.3" x 5.9" x 3.0" (21 x 15 x 7.5 cm)

Weight

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



3 year warranty
meter only

Ordering Information

Catalog number	Description	Included
WD-35606-15	TDS 6 meter	Meter, fast-response conductivity probe (cell constant K = 1.0), protective rubber boot, and batteries
WD-35606-20	SALT 6 meter	Meter, fast-response conductivity probe (cell constant K = 1.0), protective rubber boot, and batteries

WD-35606-53 Conductivity probe, K = 0.1

WD-35606-55 Replacement conductivity probe, K = 1.0

WD-35606-57 Conductivity probe, K = 10

WD-35632-97 Carrying case for Acorn meter. Includes one rinse bottle and three sample bottles.



CON 11 Standard Meter

Our most economical meter with dual display—lets you see both conductivity or TDS and temperature at a glance!

Measurements in both TDS or conductivity

Auto ranging across five ranges

- ▼ For fast response and best resolution over a wide range

Built-in memory

- ▼ Stores up to 50 readings

Four-point conductivity calibration—auto or manual

- ▼ Calibrate one point per range for high ±1% full-scale accuracy

Single- or multi-point calibration

- ▼ For multirange calibration of highest accuracy

Selectable manual or automatic temperature compensation

- ▼ Great accuracy in any application

Adjustable conductivity-to-TDS conversion factor from 0.4 to 1.0

Power with batteries or optional AC adapter

- ▼ Use in the field or at your benchtop

Built-in stand

- ▼ For benchtop or long-term use

Ready indicator

- ▼ Indicates when your measurement 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 nonuse to conserve batteries

Applications

Routine Testing: 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. Also useful in the hydroponics and agricultural industries.

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

Conductivity Cells

Conductivity cells feature a built-in temperature sensor. Choose a cell with K = 0.1 for low-range measurements; K = 1.0 for midrange measurements; K = 10 for high-range measurements. All measure 100 mm L x 12 mm dia with 3-ft cable.

Cat. no.	Description	Constant
WD-35608-55	Conductivity cell, epoxy body/platinum sensor	0.1
WD-35608-50	Replacement conductivity cell, epoxy body/stainless steel	1.0
WD-35608-51	Conductivity cell, epoxy body/platinum sensor	10



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CE **3 year warranty**
meter only

Specifications

Mode	Conductivity	TDS	Temperature
Range/Resolution	0.00 to 19.99 μS/0.01 μS, 20.0 to 199.9 μS/0.1 μS, 200 to 1999 μS/1 μS, 20.00 to 19.99 mS/0.01 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 to 110°C/0.1°C
Accuracy	±1% full scale		±0.5°C
Cell constant (K)	0.1, 1.0, 10.0 (selectable)		
Conductivity-to-TDS factor	Adjustable from 0.4 to 1.0		
Calibration	Up to five points (one point per range)		Offset 0.1°C increments

Temperature compensation:

automatic or manual from 0 to 100°C

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

Temperature coefficient: 0 to 10%/°C

Memory: up to 50 data sets

Power: four 1.5 V AAA batteries (included), >200 hours continuous use; 9 V, 500 mA AC adapter (optional)

Dimensions

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

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

Weight

Meter: 1 lb (0.5 kg); Boxed: 2 lb (0.9 kg)

Ordering Information

Cat. no.	Description	Included
WD-35607-40	CON 11 meter	Meter, conductivity cell 35608-50 (K = 1.0), one probe holder, and batteries
WD-35607-80	CON 11 meter kit	Meter, conductivity cell 35608-50 (K = 1.0), one probe holder, calibration solution pouches (four each of 477, 1413, 2704, and 15,500 mS), four rinse pouches, batteries, and hard carrying case

WD-35607-69 Calibration kit contains four each of TDS "Singles" calibration solution pouches (447 μS, 1413 μS, 2764 μS, 15.0 mS), four rinse water pouches, one rinse bottle and three sample bottles, all in a hard plastic carrying case with room for your meter and probe. Dimensions: 11.5"L x 14"W x 3"H.

WD-35615-75 Soft carrying case with belt loop. Protects meter while you take measurements—nylon with Velcro[®]

WD-35615-07 AC adapter, 110 VAC

WD-35615-08 AC adapter, 220 VAC

A wide range of conductivity cells and calibration solutions are available. See page 46 to order

CON 110 Standard Meter

Push-button, customizable operating parameters—
tailor functions to your application!

Five-point calibration— automatic or manual

- ▼ Meter recalls previous calibration data

Single- or multi-point calibration

- ▼ For quick multi-range calibration for highest accuracy

Reads conductivity from 0 to 199.9 mS across five ranges

Selectable automatic or manual temperature compensation

Manual or auto-ranging for conductivity measurements; auto-ranging for TDS readings

Memory function

- ▼ Stores and recalls 100 readings with corresponding temperature

Selectable cell constant (K)

- ▼ K = 1.0 for general applications; K = 0.1 for pure water; K = 10 for concentrated solutions

Adjustable temperature coefficient

- ▼ Adjust from 0 to 10% per °C for accurate compensation of almost any solution

Hold function, Error messages, auto-off function

Easily switches from conductivity to TDS readings

- ▼ Features an adjustable conductivity-to-TDS factor from 0.4 to 1.0

RS-232/printer output

- ▼ Download data to a computer or printer—ideal for GLP or HACCP data recording needs

FREE Oakton® PC datalog assist software on CD-ROM

- ▼ Organizes data into format ready to import into popular spreadsheet programs

Applications

General: Monitor dissolved solids or conductivity levels quickly and easily in lab, field and educational environments.

Industrial: Use for testing pollution controls, water treatment, and testing for water hardness. Also useful for checking cooling towers, boiler water, font solutions in printing operations, brines, swimming pools, whirlpools and rinse tanks.

Agricultural: Use in aquariums, fish farms, hydroponics, and fertilizer/chemical concentrations.

Conductivity Cells

Choose a cell with K = 0.1 for low range; K = 1.0 for midrange; K = 10 for high range. Feature a built-in temperature sensor; measure 100 mm L x 12 mm dia.

Catalog number	Description	Constant
WD-35608-55	Conductivity cell, epoxy body/platinum sensor. 3-ft cable	0.1
WD-35608-50	Replacement conductivity cell, epoxy body/stainless steel sensor. 3-ft cable	1.0
WD-35608-51	Conductivity cell, epoxy body/platinum sensor. 3-ft cable	10



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CE

3 year
warranty
meter only

Specifications

Mode	Conductivity	TDS	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 to 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/1ppm, 1.00 to 9.99 ppt/0.01 ppt	-10 to 110°C (0.1°C) 14 to 230°F (0.1°F)
Accuracy	±1% full-scale		±0.5°C (±0.9°F)
Cell constant (K)	1.0, 0.1 or 10 selectable		
Conductivity-to-TDS factor	Adjustable from 0.4 to 1.0 factor		
Calibration	Up to five points (one point per range)		Offset 0.1°C increments

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

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

Temperature coefficient: adjustable from 0.00 to 10.00% per °C

Memory: up to 100 data sets

Power: four 1.5 V AAA batteries (included), >200 hours continuous use; 9 V, 500 mA AC adapter (optional)

Dimensions

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

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

Weight

Meter: 1 lb (0.5 kg); Boxed: 2 lb (0.9 kg)

Ordering Information

Catalog number	Description	Included
WD-35607-45	CON 110 meter	Meter, conductivity cell 35608-50 (K = 1.0), software, one probe holder, and batteries
WD-35607-85	CON 110 meter kit	Meter, conductivity cell 35608-50 (K = 1.0), software, one probe holder, calibration pouches (four each of 477, 1413, 2704, and 15,500 mS), four rinse pouches, batteries, and hard carrying case

Accessories

WD-35615-75 Soft carrying case with belt loop. Protects meter while you take measurements—nylon with Velcro®

WD-35615-07 AC adapter, 110 VAC

WD-35615-08 AC adapter, 220 VAC

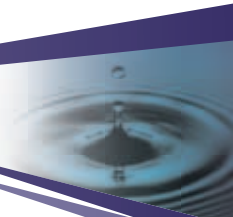
RS-232 Computer/Printer Accessories

WD-35622-00 Portable printer, 110 VAC, rechargeable

WD-35622-05 Portable printer, 220 VAC, rechargeable

WD-35615-09 Computer cable, 9-pin male to 9-pin female connects meter to your PC

WD-35622-59 Printer cable, 25-pin male to 9-pin male connects meter to your printer



CON 400 and CON 410 Meters

Highly advanced microprocessor-based conductivity meters with waterproof housing. . .and they even FLOAT!



CON 410

Durable, waterproof and dustproof IP67-rated design

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

CON 400 features:

Reads conductivity from 0 to 199.9 mS in five ranges

CON 410 also features:

Switch between conductivity and TDS measurement with a press of a button

Applications

Routine Testing: 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. Also useful in the hydroponics and agricultural industries.

Industrial: Use to check pollution control, metal finishing, cooling tower water, boiler water, drilling mud, brines, rinse tanks, ponds, recirculating systems, and wastewater.

Conductivity Cells

Choose a cell with K = 0.1 for low range; K = 1.0 for midrange; K = 10 for high range. Feature a built-in temperature sensor; measure 100 mm L x 12 mm dia.

Cat. no.	Description	Constant
WD-35608-50	Replacement conductivity cell, Ultem body, steel sensor. 3-ft cable	1.0
WD-35608-51	Conductivity cell, epoxy body, platinum sensor. 3-ft cable	10
WD-35608-55	Conductivity cell, epoxy body, platinum sensor. 3-ft cable	0.1
WD-35608-57	Conductivity cell, Ultem body, steel sensor. 16-ft cable	1.0

Specifications



Mode	Conductivity (CON 400 and 410 meters)	TDS (CON 410 meter only)	Temperature (CON 400 and 410 meters)
Range/ 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, 0.0-199.9 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
Cell constant (K)	0.1, 1, 10.0 (selectable)	—	—
Conductivity-to-TDS factor	—	0.4 to 1.0	—
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)

Temperature coefficient: adjustable from 0.0 to 10.0% per °C

Memory: up to 50 data sets

Power: four 1.5 V AAA batteries (included), >100 hours continuous use

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 lb (0.9 kg)

Ordering Information

Catalog number	Description	Included
WD-35608-00	CON 400 meter	Meter, conductivity cell 35608-50 (K = 1.0), and batteries
WD-35608-10	CON 410 meter	Meter, conductivity cell 35608-50 (K = 1.0), and batteries

WD-35607-69 Calibration kit contains four each of "Singles" TDS calibration solution pouches (447 µS, 1413 µS, 2764 µS, 15.0 mS), four rinse water pouches, one rinse bottle, three sample bottles, all in a hard plastic carrying case with room for your meter and probe. Dimensions: 11.5"L x 14"W x 3"H.

CON 600 and CON 610 Meters

Conductivity, TDS, resistivity, salinity—
measure from pure water to seawater!

Durable waterproof and dustproof design with IP67 rating

- ▼ Even with no probes attached and the battery compartment open

Single or multipoint calibration; auto or manual

- ▼ Fast, trouble-free calibration for more accurate measurements

Large backlit graphic display

- ▼ Multi-line display with electrode status indicator, calibration data, and more

User-settable "calibration due" alarm

- ▼ Out-of-date or unperformed calibrations are now things of the past!

Built-in real-time clock

- ▼ Time-and-date stamping meets Good Laboratory Practice (GLP) standards

Advanced data management

- ▼ Store up to 500 data sets and download via Infrared IrDA wireless interface

Set point alarms

- ▼ Audible warning when readings are outside set points limit

Accept 2-cell and 4-cell conductivity probes

- ▼ Measure over a broad conductivity range up to 500 mS/cm

Password protection

- ▼ Security for calibration and setup menus

Right: CON 610 meter

Above top: Rubber boot (optional; included with kits) protects meter in rugged environments.

Above bottom: Complete kits available; include meter, solutions, rubber boot, and carrying case.



Specifications

ISO9001:2000 CERTIFIED SUPPLIER 3 year warranty

Mode	CON 600 meter	CON 610 meter
Conductivity	0 to 200.0 mS	0 to 500.0 mS
TDS	0 to 200 ppt	0 to 500 ppt
Salinity	—	0 to 80 ppt
Resistivity	—	0 to 20.00 MΩ
Temperature	-10.0 to 110.0°C (14.0 to 230.0°F)	-10.0 to 110.0°C (14.0 to 230.0°F)
Resolution	0.05% full-scale; 0.1°C (0.1°F)	
Accuracy	±1% full-scale; ±0.5°C (±0.9°F)	
Calibration	Manual cal, up to 5 points (1 per range); automatic up to 4 points (84.0 μS/cm, 1413 μS/cm, 12.88 mS/cm, 111.8 mS/cm). Temperature offset 0.1°C (0.1°F) increments.	

TDS factor: 0.40 to 1.00

Cell constant: 0.100 to 10.000 0.010 to 10.000

Memory: up to 500 sets with GLP date and time

Output: infrared, IrDA

Real-time clock: time-and-date stamp on calibration and stored data

Temperature normalization: 15 or 30°C

Temperature coefficient: linear or pure (610 only)

Temperature compensation: automatic or manual (selectable) from 0 to 100°C

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

Power: four 1.5 V AA batteries (included) or optional universal AC adapter, up to 200 hours continuous use

Dimensions

Meter: 7.25"L x 3.25"W x 2.25"H
Boxed: 9.2"L x 9.2"W x 2.75"H (23 x 23 x 7 cm)

Weight

Meter: 1.0 lb (0.45 kg); Boxed: 2.0 lb (0.9 kg)

Ordering Information

Catalog number	Description	Included
WD-35408-02	CON 600 meter only	Meter and batteries
WD-35408-12	CON 610 meter only	Meter and batteries
WD-35408-00	CON 600 meter	Meter, conductivity cell 35408-52, and batteries
WD-35408-10	CON 610 meter	Meter, conductivity cell 35408-52, and batteries
WD-35408-70	CON 600 meter kit	Meter, conductivity cell 35408-52, conductivity standards (60 mL each of four solutions; 1413 μS, 12.88 mS, 3000 ppm, and rinse water), rubber boot, electrode holder, batteries, and hard carrying case
WD-35408-80	CON 610 meter kit	Meter, conductivity cell 35408-52, conductivity standards (60 mL each of four solutions; 1413 μS, 12.88 mS, 3000 ppm, and rinse water), rubber boot, electrode holder, batteries, and hard carrying case

WD-35408-50 Conductivity cell, 2-electrode, K = 0.1

WD-35408-52 Conductivity cell, 2-electrode, K = 1

WD-35408-54 Conductivity cell, 2-electrode, K = 10

WD-35408-56 Conductivity cell, 4-electrode, K = 0.3

WD-35418-83 Optional adapter, 110/220 VAC

Multiparameter models available.
See pages 56–59.

Calibration Solutions and Accessories

Conductivity/TDS Cells

Choose from three cell constants

All cells feature built-in temperature compensation. A 1.0 cell constant (K) is ideal for midrange conductivity measurements. For high conductivity measurements (near or above 20 mS) order a cell with K = 10.0; for low conductivity measurements (near or below 20 µS), order a cell with K = 0.1.



Conductivity/TDS "Singles" Calibration Pouches

NIST traceable for high accuracy; **±1% accuracy at 25°C**

Conductivity/TDS "Singles" are convenient, individually sealed pouches that contain high-precision calibration standards. Ideal for field calibration; just select the pouches you need and carry them to your test site for on-the-spot calibration and verification. Pouches are labeled with equivalent values for KCl, NaCl, and 442 and conductivity values at 25°C and CAS numbers for "Right-to-Know" requirements. Each box contains twenty 20-mL pouches.



Ordering Information

Catalog number	Body/sensor material	Cell constant	Temperature range	Cable length	Probe style
Cells for use with CON 6, TDS 6, and SALT 6					
WD-35606-53	Ultem	K = 0.1	0 to 80°C	3 ft	C
WD-35606-55	Ultem	K = 1.0	0 to 80°C	3 ft	C
WD-35606-57	Ultem	K = 10	0 to 80°C	10 ft	C
Cells for use with CON 400, CON 410, TDS 400, CON 510, pH/CON 300, pH/CON 510, CON 11, and CON 110					
WD-35608-50	Ultem	K = 1.0	0 to 80°C	3 ft	C
WD-35608-57	Ultem	K = 1.0	0 to 80°C	10 ft	C
WD-35608-51	Epoxy	K = 10	0 to 80°C	3 ft	A
WD-35608-52	Glass	K = 1.0	0 to 100°C	3 ft	B
WD-35608-55	Epoxy	K = 0.1	0 to 80°C	3 ft	A
Cells for use with CON 600, CON 610, PC 650, CD 650, and PCD 650					
WD-35408-50	Epoxy	K = 0.1	0 to 80°C	3 ft	A
WD-35408-52	Ultem	K = 1.0	0 to 80°C	3 ft	C
WD-35408-57	Ultem	K = 1.0	0 to 80°C	10 ft	C
WD-35408-54	Epoxy	K = 10	0 to 80°C	3 ft	A
WD-35408-56	Epoxy, 4-cell	K = 0.3	0 to 80°C	3 ft	A
WD-35408-58	Epoxy	K = 0.01	0 to 80°C	3 ft	A

Ordering Information

Catalog number	Conductivity value	Conductivity-to-TDS calibration values		
		ppm KCl	ppm NaCl	ppm 442
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
WD-35653-15	5,650 µS	3240	3000	—

WD-35653-00 "Singles" deionized rinse water pouches, 20 pouches/box

Conductivity/TDS Calibration Solutions

NIST-traceable; **±1% accuracy at 25°C**

Conductivity/TDS calibration solutions are cross checked using different test methods, premixed, and ready to use. Each one-pint bottle is labeled with the name and CAS number for all ingredients to conform with "Right-to-Know" requirements.



Ordering Information

Catalog number	Conductivity value	Conductivity-to-TDS calibration values		
		ppm KCl	ppm NaCl	ppm 442
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
WD-00653-32	80 mS	52,168	48,384	79,688

Portable Printer

Use with the CON 110 portable meter (pg 42)

Create permanent records of your data from Oakton® meters with RS-232 output! This printer's compact size and rechargeable battery pack make it the perfect printer for both field use and crowded benchtop space. Pre-configured setup selections match the exact parameters of your meter. Accepts standard-sized adding machine rolls and printer ribbons.



Ordering Information

Catalog number	Description	Power
WD-35622-00	Portable printer	110 VAC
WD-35622-05	Portable printer	220 VAC

WD-35622-59 Printer cable, connects printer to your CON 110 meter (or other meters with RS-232 output)

WD-35622-60 Replacement ribbon cartridge

WD-35622-62 Replacement paper, one roll

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