

## OAKION® Con 510 Benchtop Conductivity Meter

CON TDS °C/°F

- ▶ An affordable way to take consistent, accurate conductivity measurements in your laboratory!
- ▶ Dual display shows conductivity/TDS and temperature
- ▶ Reads 0 to 199.9 mS across five ranges—autoranging feature gives the best resolution for your measurements
- ▶ Calibrate at up to five conductivity points (one per range)
- ▶ Features adjustable temperature coefficient for better accuracy and selectable cell constant for very high or low range measurements
- ▶ Memory stores up to 50 readings for future retrieval.
- ▶ Selectable manual or automatic temperature compensation
- ▶ Ready indicator, HOLD, and water-resistant membrane keypad
- ▶ Includes convenient pull-out reference guide



35611-00

**What's included:** conductivity/temperature probe 35608-50 (k=1.0), built-in electrode stand, 110 and 220 VAC power adapters, and instructions. Three-year warranty on meters only.

**A-35611-00 Con 510 benchtop meter, 110/220 VAC**

### Specifications

ISO9000 REGISTERED SUPPLIER — CE — 3 year warranty

Mode	Range	Resolution	Accuracy
Conductivity	0.0 to 19.99, 0 to 199.9, 0 to 1999 $\mu$ S; 0 to 19.99, 0 to 199.9 mS	0.01, 0.1, 1 $\mu$ S; 0.01, 0.1 mS	$\pm$ 1% full scale
TDS	0.00 to 9.99, 10.0 to 99.9, 100 to 999 ppm; 1.00 to 9.99, 10.0 to 99.9, 100 to 200 ppt	0.01, 0.1, 1 ppm; 0.01, 0.1, 1 ppt	$\pm$ 1% full scale
Temperature	0 to 80°C, 0 to 100°C*	0.1°C	$\pm$ 0.5°C

\*Temp range is 0 to 80°C with an epoxy body cell and 0 to 100°C with a glass body cell.

**Calibration:** up to 5 points (one point per range)

**Temperature compensation:** automatic or manual

**Temperature coefficient:** adjustable from 0.0 to 10% per °C

**Cell constant:** select from k = 1.0 cm<sup>-1</sup>, 0.1 cm<sup>-1</sup>, and 10 cm<sup>-1</sup>

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

**Display:** dual LCD shows measurement plus temperature

**Power:** 110 or 220 VAC

**Dimensions:** 9"W x 2 $\frac{3}{8}$ "H x 7"D

**Shpg wt:** 3 lb (1.4 kg)

### Conductivity Cells for Con 510 benchtop meters

Con 510 benchtop meters include cell 35608-50. When measuring in the 0 to 19.99  $\mu$ S range, use a cell with a constant of 0.1 cm<sup>-1</sup>; when measuring in the 0 to 199.9 mS range, use a cell with a constant of 10.0 cm<sup>-1</sup>. For all other ranges, use a cell with a constant of 1.0 cm<sup>-1</sup>. All cells have built-in ATC element.

Catalog number	Cell constant (k)	Housing	Price
Dip cells with 2½-ft cable. Feature platinum sensor.			
<a href="#">A-35608-55</a>	0.1 cm <sup>-1</sup>	Epoxy	
<a href="#">A-35608-50</a>	1.0 cm <sup>-1</sup>	Epoxy	
<a href="#">A-35608-52</a>	1.0 cm <sup>-1</sup>	Glass	
<a href="#">A-35608-51</a>	10 cm <sup>-1</sup>	Epoxy	

## OAKION® pH/Con 510 Benchtop pH/Conductivity/TDS Meter

CON TDS pH °C/°F

Easily toggle between pH, conductivity, and TDS measurements at the touch of a button!



Probe holder arm attaches to either side of the meter.

35610-10

- ▶ Conductivity and TDS autoranging chooses the best resolution for each measurement.
- ▶ Previous calibration points, electrode slope and offset, and conductivity/TDS cell constants are stored in memory for quick and easy retrieval.
- ▶ Measure pH and conductivity/TDS with separate probes to suit a wide variety of applications.
- ▶ Features pH auto-buffer recognition, selectable °F/°C, HOLD, and water-resistant membrane keypad.

**What's included:** a double-junction pH electrode with BNC connector, conductivity/TDS/temperature probe, electrode holder arm, 110 VAC and 220 VAC power adapters, and instructions. Three-year warranty on meters only.

**A-35610-10 pH/Con 510 benchtop meter, 110/220 VAC**

### Specifications

ISO9000 REGISTERED SUPPLIER — CE — 3 year warranty

Mode	Range	Resolution	Accuracy
pH	-2.00 to 16.00 pH	0.01 pH	$\pm$ 0.01 pH
Conductivity	0.0 to 19.99, 0 to 199.9, 0 to 1999 $\mu$ S; 0 to 19.99, 0 to 199.9 mS	0.01, 0.1, 1 $\mu$ S; 0.01, 0.1 mS	$\pm$ 1% full scale
TDS	0.00 to 9.99, 10.0 to 99.9, 100 to 999 ppm; 1.00 to 9.99, 10.0 to 99.9, 100 to 200 ppt	0.01, 0.1, 1 ppm; 0.01, 0.1, 1 ppt	$\pm$ 1% full scale
Temperature	32 to 212°F (0 to 100°C)	0.1°F or °C	$\pm$ 0.5°F or °C

#### Calibration

pH: up to 5 points (pH 1.68, 4.01, 7.00, 10.01 and 12.45)

Conductivity/TDS: up to 5 points (one point per range)

Temperature: offset in 0.1° increments

**Temperature compensation:** automatic or manual

**Conductivity temperature coefficient:** adjustable from 0.0 to 10% per °C

**Conductivity cell constant:** fixed at k = 1.0 cm<sup>-1</sup>

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

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

**Display:** dual LCD shows measurement plus temperature

**Power:** 110 or 220 VAC

**Dimensions:** 9"W x 2 $\frac{3}{8}$ "H x 7"D

**Shpg wt:** 3 lb (1.4 kg)

### Accessories

**A-35608-50 Replacement conductivity cell,** epoxy/platinum with built-in temperature sensor

**A-59001-70 Replacement combination pH electrode;** double-junction, gel-filled. Epoxy body, BNC connector

**A-35613-05 Temperature probe,** 316 SS