

pH/CON 510 Meter

Measures pH, mV, conductivity, TDS, and temperature—ideal for water quality testing in the lab!



pH/CON 510 meter
35610-10



Unique conductivity probe (included) comes apart for easy cleaning.

Easily toggle between pH, mV, conductivity, and TDS readings

Dual display shows both measured parameter and temperature (°C/°F)

▼ Read two parameters at a glance

Easy push-button calibration

▼ Five-point calibration for pH and either conductivity or TDS; temperature offset calibration

Advanced setup mode

▼ Recalls previous calibration points, pH electrode slope/offset, conductivity/TDS effective cell constants per range, and more

Built-in electrode holder arm

▼ Holds electrodes firmly in place

pH auto buffer recognition

▼ For fast, easy pH calibration

Selectable auto or manual ranging for conductivity and TDS measurements

Adjustable conductivity-to-TDS conversion factor and temperature coefficient

▼ Gives highest accuracy in any solution

Selectable manual or automatic temperature compensation

Selectable automatic endpoint

▼ Automatically freezes reading when stable

Hold function, "Ready" indicator, diagnostic error messages

Slide-out instruction card for quick reference

ISO9001:2000
CERTIFIED SUPPLIER

CE 3 year warranty
meter only

Specifications

Mode	Conductivity	TDS	pH	mV	Temperature
Range	0.00 to 19.99 μ S, 0.0 to 199.9 μ S, 0 to 1999 μ S, 0 to 19.99 mS, 0.0 to 199.9 mS	0.00 to 9.99 ppm, 10.0 to 99.9 ppm, 100 to 999 ppm, 1.00 to 9.99 ppt, 10.0 to 99.9 ppt, 100 to 200 ppt	-2.00 to 16.00 pH	\pm 600 mV	0 to 100°C (32 to 212°F)
Resolution	0.01 μ S, 0.1 μ S, 1 μ S, 0.01 mS, 0.1 mS	0.01 ppm, 0.1 ppm, 1 ppm, 0.01 ppt, 0.1 ppt, 1 ppt	0.01 pH	0.1 mV from \pm 199.9 mV, 1 mV beyond	0.1°C/°F
Accuracy	\pm 1% full-scale	\pm 1% full-scale	\pm 0.01 pH	\pm 0.2 mV from \pm 199.9 mV, \pm 2 mV beyond	\pm 0.5°C/°F
Calibration	One point per range (up to 5)	One point per range (up to 5)	Up to five points (USA: 1.68, 4.01, 7.00, 10.00, 12.45; NIST: 1.68, 4.01, 6.86, 9.18, 12.45)	—	Offset up to \pm 5°C/°F

Input impedance: $>10^{12} \Omega$

Temperature compensation:

selectable manual or automatic from 0 to 100°C

Conductivity cell constant (K): fixed at 1.0

Conductivity temperature coefficient:

adjustable from 0.0 to 10.0% per °C

Conductivity-to-TDS conversion factor:

adjustable from 0.4 to 1.0

Normalization temperature: adjustable from

15 to 30°C

Display: dual display of pH, mV, conductivity, or TDS with

temperature (in °C or °F)

Error messages: diagnose operator error, electrode error, and meter error; pull-out instruction card decodes message.

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

Power: 9 VDC, 500 mA with AC adapter (included). 110 VAC, 60 Hz or 220 VAC, 50 Hz. AC adapter is CSA/UL listed.

Dimensions

Meter: 9"W x 7"D x 2.375"H (23 x 18 x 6 cm)

Boxed: 15.5"W x 10"D x 3.5"H (39 x 25 x 9 cm)

Weight

Meter only: 1.25 lb (0.6 kg); Boxed: 3 lb (1.4 kg)

Ordering Information

Catalog number	Description	Included
WD-35610-12	pH/CON 510 meter only	Meter, electrode stand, and AC adapters
WD-35610-10	pH/CON 510 meter	Meter, double-junction pH electrode 35641-51, conductivity/temperature probe 35608-50, electrode stand, and AC adapters