

pH/CON 510 Meter

This economical benchtop meter measures pH, mV, conductivity, TDS, and temperature. It's ideal for water quality testing in the lab!

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

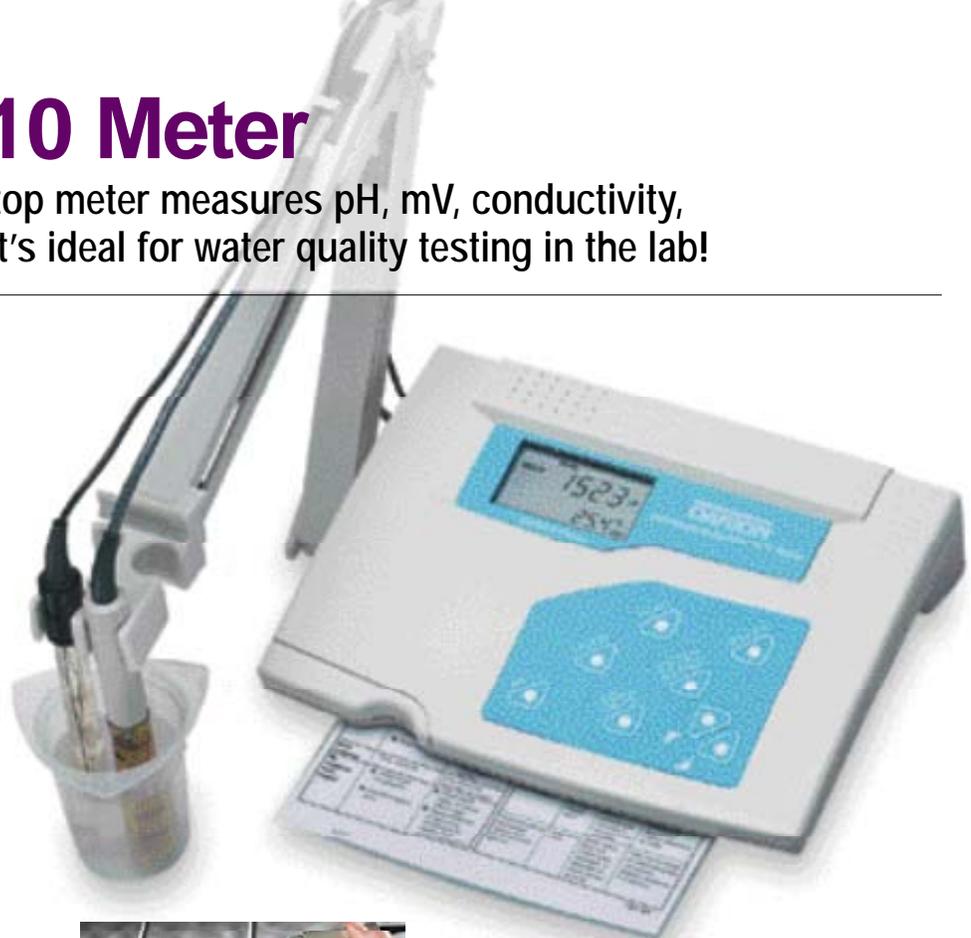
Adjustable conductivity-to-TDS conversion factor and temperature coefficient
gives highest accuracy in any solution

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



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

pH/CON 510 meter
35610-10



Specifications

Mode	Conductivity	TDS	pH	mV	Temp
Range	0.00 to 19.99 μ S, 0.0 to 199.9 μ S, 0 to 1999 μ S, 0.00 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-35610-10	pH/CON 510 meter 35608-50, electrode stand, AC	Meter, double-junction pH electrode 35641-51, conductivity/temperature probe adapters, and instructions
WD-35610-12	pH/CON 510 meter only	Meter, electrode stand, AC adapters, and instructions