

...setting the standard again and again®

Waterproof pH/CON 450 Meter

Get more versatility for your application

- Select meter with combination pH/CON probe or separate pH and conductivity probes
- Switch between pH, mV, conductivity, TDS, and salinity with a press of a button
- Get more accurate readings—selectable manual or automatic temperature compensation (ATC) eliminates temperature effects on readings
- Intuitive, user-friendly icons show electrode status as pH slope or cell constant
- Get more data at a glance—view measurement with temperature on large, backlit custom display
- Know when to recalibrate—calibration alarm reminds you when it is time to recalibrate
- Built-in real-time clock stamps stored data and calibration data with time and date for GLP compliance
- Store up to 500 data sets; easy USB or RS-232 output with optional data cables
- Durable waterproof and dustproof design with IP67 rating
- Convenient hold, ready, low-battery indicator, and automatic shutoff functions
- Selectable °C or °F to best fit your application
- Operates for 500 hours continuous in the field with batteries; optional AC adapter for benchtop measurements



pH/CON 450 meter
with separate probes

pH/CON 450 meter with
combination probe



Keep hands free
with built-in stand—
ideal for benchtop
or long-term use



Grip-Clip™ holder
quickly and easily
secures the probe to
your beaker or container

Key pH features:

- Six-point calibration—choose USA, NIST, DIN, or custom buffer sets
- Auto buffer calibration which automatically identifies the correct pH buffer for rapid calibration
- mV offset for calibration to ORP standards, zeroing mV value, and pH diagnostics
- Compatible with pH and ISE electrodes having a BNC connector

Key conductivity features:

- Auto-range conductivity from 0 to 199.9 mS in five ranges with up to five calibration points
- Selectable cell constant of 0.1, 1.0, or 10 from two-cell probe
- Selectable temperature coefficient; adjustable from 0 to 10% per °C for accurate compensation of almost any solution
- Conductivity-to-TDS factor is adjustable from 0.4 to 1.0

What's included:

Meter with combination probe includes: pH/CON probe 35630-51 and batteries.

Meter with separate probes includes: pH probe 35641-51, conductivity cell 35808-50, Grip-Clip holder, and batteries

Kits add: calibration solutions and hard carrying case.



Description	pH/CON 450 meter with combination probe	pH/CON 450 meter with separate probes	pH/CON 450 meter kit with combination probe	pH/CON 450 meter kit with separate probes
Catalog number	WD-35630-10	WD-35630-12	WD-35630-80	WD-35630-90
Precalibrated catalog number	WD-35630-11	WD-35630-13	WD-35630-81	WD-35630-91
Range	pH	-2.00 to 16.00 pH		
	mV	±2000 mV		
	Conductivity	0 to 200 mS		
	TDS	0 to 200 ppt		
	Salinity	0 to 50 ppt		
	Temperature	-17.0 to 230.0°F (-10.0 to 110.0°C)		
Resolution	pH	0.01 pH		
	mV	0.1 mV ±999.9 mV; 1 mV beyond		
	Conductivity	0.01 µS to 0.1 mS		
	TDS	0.01 ppm to 0.1 ppt		
	Salinity	0.01		
	Temperature	0.1°C/°F		
Accuracy	pH	±0.01 pH		
	mV	±0.2 mV ±2 LSD or ±0.5% of reading; whichever is greater		
	Conductivity	±0.5% full-scale (monovalent); ±1% full-scale (divalent)		
	TDS	±1% full-scale		
	Salinity	±1% full-scale		
	Temperature	±0.5°C; ±0.9°F		
Calibration	pH	Up to six points: USA, NIST, DIN, or custom		
	mV	±200 mV		
	Conductivity	Auto/manual; one point per range		
	TDS	Auto/manual; one point per range		
	Salinity	Auto/manual; one point per range		
	Temperature	± 5.0° offset		
Temperature compensation	Automatic or manual from -10 to 110°C			
Output	USB or RS-232			
Data logging	Stores up to 500 data sets			
Power	Two AA batteries (included), 500 hours (without backlight); AC adapter (optional)			

Accessories

WD-35641-51 Replacement pH electrode.
Double-junction; epoxy body; BNC connector

WD-35618-05 ATC probe. Use with any standard pH electrode for temperature compensation

WD-35630-51 Replacement combination pH/CON/ATC probe

WD-35608-55 Conductivity cell, K = 0.1

WD-35608-50 Replacement conductivity cell, K = 1.0

WD-35608-51 Conductivity cell, K = 10

WD-35614-50 Replacement Grip-Clip holder

WD-35630-53 Data cable for USB connectivity

WD-35420-01 Data cable for RS-232 connectivity

WD-35420-72 Optional power adapter, 110/220 VAC

WD-09376-01 Replacement batteries, AA. Pack of 4