

...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



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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.