



OAKTON®

WATERPROOF PH/CON 450 METER



pH/CON 450 meter with combination probe

pH/CON 450 meter with separate probes



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

GET MORE VERSATILITY FOR YOUR APPLICATION

- Select meter with combination pH/CON probe or separate pH and conductivity probes
- Durable waterproof and dustproof design with IP67 rating
- Switch between pH, mV, conductivity, TDS, and salinity with a press of a button
- 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
- Intuitive, user-friendly icons show electrode status as pH slope or cell constant
- Get more accurate readings—selectable manual or automatic temperature compensation (ATC) eliminates temperature effects on readings
- Selectable °C or °F to best fit your application
- Convenient hold, ready, low-battery indicator, and automatic shutoff functions
- Store up to 500 data sets; easy USB or RS-232 output with optional data cables
- Built-in real-time clock stamps stored data and calibration data with time and date for GLP compliance

In the US

625 E. Bunker Court
Vernon Hills, IL 60061
Call toll-free 800-323-4340
Phone: 847-549-7600
Fax: 847-247-2929
www.coleparmer.com

In Canada

Call toll-free 800-363-5900
Phone: 514-355-6100
Fax: 514-355-7119
www.coleparmer.ca

In India

Phone: 91-22-6716-2222
Fax: 91-22-6716-2211
www.coleparmer.in

In the United Kingdom

Free phone: 0500-345-300
Phone: 020-8574-7556
Fax: 020-8574-7543
www.coleparmer.co.uk

International customers

Call 847-549-7600 to reach our International Sales Department or contact your local dealer.



FREE TECHNICAL APPLICATIONS ASSISTANCE!

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

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.

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



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	MK-35630-10	MK-35630-12	MK-35630-80	MK-35630-90
Precalibrated catalog number	MK-35630-11	MK-35630-13	MK-35630-81	MK-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	
Calibration	Temperature		±0.5°C; ±0.9°F	
	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	
Temperature compensation	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)		

[MK-35641-51](#) Replacement pH electrode.
Double-junction; epoxy body; BNC connector

[MK-35618-05](#) ATC probe. Use with any standard pH electrode for temperature compensation

[MK-35630-51](#) Replacement combination pH/CON/ATC probe

[MK-35608-55](#) Conductivity cell, K = 0.1

[MK-35608-50](#) Replacement conductivity cell, K = 1.0

[MK-35608-51](#) Conductivity cell, K = 10

[MK-35614-50](#) Replacement Grip-Clip holder

[MK-35630-53](#) Data cable for USB connectivity

[MK-35420-01](#) Data cable for RS-232 connectivity

[MK-35420-72](#) Optional power adapter, 110/220 VAC

[MK-09376-01](#) Replacement batteries, AA. Pack of 4