



# OAKTON®

## WATERPROOF pH 450 AND CON 450 METERS

### BACKLIT, RUGGED WATERPROOF METERS ARE IDEAL FOR ANY ENVIRONMENT!



- Durable waterproof and dustproof design with IP67 rating
- Get more data at a glance—view measurement with temperature and calibration data with % slope or cell constant on large, backlit custom display
- Automatic and manual temperature compensation ensures accuracy, even in fluctuating temperatures
- Know when to recalibrate—calibration alarm reminds you when it is time to recalibrate
- Convenient hold, ready, and automatic shutoff functions
- Selectable °C or °F to best fit your application
- Intuitive, user-friendly icons show electrode status as pH slope or cell constant
- Store and analyze up to 500 data sets with 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 documentation
- Quickly and easily secure the electrode or probe to your beaker or container with Grip-Clip™ holder
- Easy benchtop measurement with built-in stand or wall-mount
- Extended 500-hour battery life from two AA batteries or use optional universal power adapter



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

## 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](http://www.coleparmer.com)

## In Canada

Call toll-free 800-363-5900  
 Phone: 514-355-6100  
 Fax: 514-355-7119  
[www.coleparmer.ca](http://www.coleparmer.ca)

## In the United Kingdom

Free phone: 0500-345-300  
 Call: +44-20-8574-7556  
 Fax: 020-8574-7543  
[www.coleparmer.co.uk](http://www.coleparmer.co.uk)

## In India

Phone: 91-22-6716-2222  
 Fax: 91-22-6716-2211  
[www.coleparmer.in](http://www.coleparmer.in)

## International customers

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



**FREE TECHNICAL  
 APPLICATIONS ASSISTANCE!**

## PH 450 METER ALSO FEATURES:

- Six-point calibration—choose USA, NIST, DIN, or custom buffers
- Auto buffer recognition 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
- Meter includes Grip-Clip holder and batteries; meter with probe adds on electrode 35808-71; kit further adds buffers, solutions, and hard carrying case

## CON 450 METER ALSO FEATURES:

- Autorange conductivity from 0 to 199.9 mS in five ranges with automatic calibration up to five calibration points
- Selectable cell constant of 0.1, 1.0, or 10 from a two-cell probe
- Selectable temperature coefficient is adjustable from 0 to 10% per °C for accurate compensation of almost any solution
- Adjustable conductivity-to-TDS factor from 0.4 to 1.0
- Meter with probe includes cell 35608-50, Grip-Clip holder, and batteries; kit adds on calibration solutions and hard carrying case



Description	pH 450 meter only	pH 450 meter with probe	pH 450 meter kit	CON 450 meter with probe	CON 450 meter kit
Catalog number	MK-35618-32	MK-35618-30	MK-35618-90	MK-35608-32	MK-35608-80
Precalibrated catalog number	MK-35618-34	MK-35618-33	MK-35618-91	MK-35608-34	MK-35608-81
Range	pH	-2.00 to 16.00 pH			—
	mV	±2000 mV			—
	Ion	0.0 to 19,999			—
	Conductivity	—			0 to 200 mS
	TDS	—			0 to 200 ppt
	Temperature	-17.0 to 230.0°F (-10.0 to 110.0°C)			-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			—
	Ion	0.01			—
	Conductivity	—			0.01 µS to 0.1 mS
	TDS	—			0.01 ppm to 0.1 ppt
	Temperature	0.1°F/°C			0.1°F/°C
Accuracy	pH	±0.01 pH			—
	mV	±0.2 mV ±2 LSD or ±0.5% of reading; whichever is greater			—
	Ion	±0.5% full-scale (monovalent); ±1% full-scale (divalent)			—
	Conductivity	—			±1% full-scale
	TDS	—			±1% full-scale
	Temperature	±0.9°F (±0.5°C)			±0.9°F (±0.5°C)
Calibration	pH	Up to six points: USA, NIST, DIN and custom buffer			—
	mV	±200 mV			—
	Ion	Up to six points			—
	Conductivity	—			Auto/manual; 1 point/range
	TDS	—			Auto/manual; 1 point/range
	Temperature	Offset 0.1 increments			±5.0° offset
Temperature compensation				Automatic or manual from -10 to 110°C	
Output				USB or RS-232	
Data logging				500 data sets	
Power				Two AA batteries (included); universal power adapter (optional)	

**MK-35808-71 Replacement "All-in-One" pH electrode** with built-in ATC. Single-junction; epoxy body; BNC connector

**MK-35808-72 "All-in-One" pH electrode** with built-in ATC. Double-junction; epoxy body; BNC connector

**MK-35618-05 ATC probe.** Use with any standard pH electrode with BNC for temperature compensation

**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** attaches probe to side of container for hands-free operation

**MK-35614-51 Hard carrying case**

**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