



# OAKTON<sup>®</sup>

## WATERPROOF pHTESTRS<sup>®</sup>

SETTING THE STANDARD FOR  
POCKET PH TESTERS!



 **Cole-Parmer<sup>®</sup>**  
Delivering Solutions You Trust

# Oakton® Waterproof pHTestrs®

## MAKE OAKTON WATERPROOF PHTESTRS YOUR FIRST CHOICE FOR QUALITY!

For over 18 years, Oakton Instruments has set the standard for innovation and quality in electrochemical instrumentation. From their introduction in 1991 of the world's first microprocessor-based, pocket-sized pH meter, to their new EcoTestr™, Oakton has met or exceeded user expectations. Today, Oakton remains in the forefront with technical innovations that permit intuitive, user-friendly operation and allow handheld instruments to easily fit in your hand.

All Oakton meters are designed and manufactured at an ISO 9001 facility, and meet CE requirements for EMF. Their commitment to delivering accuracy, quality, and reliability at a competitive price makes Oakton a perennial leader in their field.



### EASY-TO-REPLACE SENSOR MODULES\*



- Twist off the module, replace, then twist back on; that's all it takes—no tools are ever required!
- Self-diagnostic error messages help you determine when it's time to change the sensor
- Economical way to get the equivalent of a new meter at nearly half the cost

## UNIQUE OAKTON DOUBLE-JUNCTION REFERENCE SYSTEM\* PROTECTS THE ELECTRODE FROM CHEMICAL ATTACK

- Kynar® PVDF double-junction reference is a standard feature on the big-digit pHTestr series. Compare this to the single-junction reference included on other brands
- Dependable and long-lasting! Design prevents precipitation at the reference junction that can lead to inaccurate readings or shortened service life
- Use with confidence—even with demanding samples containing sulfides, heavy metals, organics, Tris buffer, or protein
- Great for wastewater, chemical applications, life science labs, food testing of wine or milk—anywhere ordinary testers with single-junction electrodes are impractical!

\*Features are not found on EcoTestr or models with BNC electrode connection.

## PHTESTRS® ARE BUILT TO STAND UP TO REAL USE!

- Valox® plastic body is resistant to most chemicals used in laboratories and industrial sites. Compare this to the ordinary plastics used by the other manufacturers
- If you drop your pHTestr in the lake or in the mud, the unit's IP67-rated, 100% dustproof and waterproof housing ensures your instrument will remain unaffected. Testrs will even float for easier recovery
- pH sensor features a recessed design to protect the glass bulb against impact because you have more important things to worry about than pampering a pocket pH tester
- All models feature either automatic or manual temperature compensation to ensure accuracy in the midst of fluctuating temperatures
- Lanyard connection allows you to hang your pHTestr from your neck so you always know where it is. Quick-release lanyard is included. EcoTestr™ features a belt/pocket clip to keep it accessible when not in use.
- All pHTestrs can be stored dry without affecting the sensor's life span or accuracy. No need to carry around storage solution



# OAKTON® WATERPROOF ECOTESTR™ PH 2

## Low-Cost pHTestr Option!

Offers many of the same great features as the big-digit pHTestrs but at a lower price.

**New**



## Long-Life Battery Operation

Batteries will last over 300 hours, eliminating frequent replacement and saving money. Auto-off function turns the unit off even if you forget.

## Easy-To-Read Display

Simply dip and read—the orientation of the display means there is no need to turn your head or tilt the tester.

## Nonreplaceable Sensor

Keeps the cost low—no need to worry about the cost of students or technicians losing them.

## Single-Junction pH Electrode

Great for basic applications like drinking water, hydroponics, aquariums, education, and routine labwork.



Clear cover serves as a solution holder for easier calibration and measurement.



Built-in belt clip allows you to keep meter accessible when not in use.

# OAKTON® WATERPROOF pHTESTRS® 10, 20, AND 30

## Easy-to-Read Display

Large liquid-crystal display features over-sized digits for at-a-glance visibility. LCD orientation allows you to read as you measure—no need to tilt your head or remove the Testr from your sample.

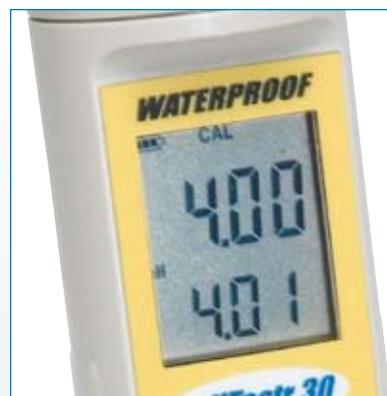
## Three-Segment Battery-Life Indicator

Oakton's big-digit pHTestrs offer over 500 hours of battery life; display icon indicates power remaining. Auto-off function turns the unit off even if you forget.



## Advanced Calibration

Select up to three-point calibration depending on time or accuracy requirements. Auto-buffer recognition for either USA or NIST buffer sets. These are features commonly found on expensive benchtop pH meters!



## Double-Junction Sensor

Chemical-resistant Kynar® double-junction sensor minimizes contamination and extends sensor life.

## CHOOSE FROM THREE MODELS



**pHTestr 10**  
has 0.1 pH  
resolution for  
general use



**pHTestr 20**  
has 0.01 pH  
resolution for  
greater precision



**pHTestr 30**  
has 0.01 pH  
resolution plus  
simultaneous  
display of  
temperature—  
no need to purchase  
or carry a separate  
thermometer.

# OAKTON® WATERPROOF pHTESTR® 10 BNC

## Temperature Compensation

Temperature compensation is fixed at 25°C for most common uses. Manual temperature compensation is also available for reading at user-selectable temperature points.

## Compatible with any pH Electrode using a BNC Connector

Tailor your pHTestr to suit your application. Epoxy, glass, direct-connect, or cabled electrodes can all be used. Great option for accessing tight places!



# OAKTON WATERPROOF ORPTESTR® 10 AND ORPTESTR 10 BNC

## Convenient Way to Determine Oxidation-Reduction Potential

Ideal for ORP applications in the  $\pm 999$ -mV range—including industrial waste treatment, oxidation of cyanide, pulp bleaching, bleach manufacturing, and water sanitation.

## CHOOSE FROM TWO ORPTESTRS

**ORPTestr 10** features an easy-to-replace double-junction, platinum band sensor. Use without worry in harsh, dirty samples.

**ORPTestr 10 BNC** allows you to use any ORP electrode with a BNC connector. Create a custom meter based on your specific requirements.



# OAKTON® WATERPROOF PH SPEAR

## Open-Pore Reference Junction

The pH Spear electrode junction is 200 times larger than standard electrodes. This virtually clog-free design combined with the spear-tipped shape is perfect for pH determination in solid and semisolid samples such as cheese, meats, fruits, bread, and soil, etc.



## User-Replaceable, Double-Junction Sensor

Chemical-resistant Kynar® PVDF double-junction sensor minimizes contamination and extends sensor life. Replacement sensors save over the cost of a new pH Spear.



## Rugged Spear Tip

Electrode is polymer-enclosed—designed tough to pierce samples and provide stable measurements. Low-maintenance unit requires only periodic cleaning with a mild detergent and water.



## Easy-to-Read Display

Large LCD features over-sized digits for at-a-glance visibility. Ergonomic design allows you to read as you measure—no need to tilt your head or remove the tester from your sample.

## Temperature Compensation

Temperature compensation is fixed at 25°C for most common uses. Manual temperature compensation is also available for reading at user-selectable temperature points.



## Spear Tip Can Also Fit into Small Vessels

Great for laboratory applications that use test tubes and microtubes. Less costly than standard micro pH electrodes.

## In the U.S.

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 India

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

## In the United Kingdom

Free phone: 0500-345-300  
Phone: 020-8574-7556  
Fax: 020-8574-7543  
[www.coleparmer.co.uk](http://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!**

## PERFORMANCE SPECIFICATIONS



### Operating temperature:

32 to 122°F (0 to 50°C)

### Power:

four 1.5 V batteries (included)

### Battery life:

200 to 500 hours

Catalog number	ML-35423-10	ML-35634-10	ML-35634-14	ML-35634-20	ML-35634-30	ML-35650-10	ML-35650-14	ML-35634-40
Model	EcoTestr pH 2	pHTestr 10	pHTestr 10 BNC	pHTestr 20	pHTestr 30 w/temp display	ORPTestr 10	ORPTestr 10 BNC	pH Spear
Range	0.0 to 14.0 pH	-1.0 to 15.0 pH		-1.00 to 15.00 pH		-999 mV to +1000 mV		-1.00 to 15.00 pH
Resolution	0.1 pH	0.1 pH		0.01 pH		1 mV		0.01 pH
Accuracy	±0.1 pH	±0.1 pH		±0.01 pH		±2 mV		±0.01 pH
Temperature compensation	Automatic	Automatic	Fixed at 25°C or manual	Automatic		None		Fixed at 25°C or manual
Dimensions	6¼" L x 1½" W x 1½" H	6½" L x 1½" dia			6½" L x 1½" dia			8½" L x 1½" dia
Replacement sensor	N/A	<a href="#">ML-35624-38</a>	N/A	<a href="#">ML-35624-38</a>		<a href="#">ML-35650-09</a>	N/A	<a href="#">ML-35634-50</a>

### What's included:

- All Testrs include 1.5 V button cell batteries
- All Oakton® pH Testrs (except EcoTestr pH 2 and pH Spear) are shipped in a protective plastic case



Easy twist-off battery compartment



Protective plastic case



[CLICK HERE](#)

**For more pH tester information**

### pHTestr® Calibration Kits

Include pHTestr, calibration pouches (two each of pH 4.01, 7.00, 10.00, and rinse water), sample jar, and sturdy carrying case.

[ML-35634-70 pHTestr 10 calibration kit](#)

[ML-35634-80 pHTestr 20 calibration kit](#)

[ML-35634-90 pHTestr 30 calibration kit](#)

