

## Oakton® Waterproof EcoTestr™ pH1 Pocket Tester

### Economical, easy to use

- Automatically recognises pH buffer standards
- Rugged IP67-rated housing is waterproof, dustproof, and floats in water
- Leakproof cap with fill line functions as a sample/calibration and hydrating cup



Model		EcoTestr pH1
<b>Catalogue number</b>		<b>MY-35634-05</b>
Range	pH	0 to 14.0 pH
	Temperature	0 to 50°C (32 to 122°F)
Resolution	pH	0.1 pH
	Temperature	0.1°C/°F
Accuracy	pH	±0.1 pH
	Temperature	±0.5°C (0.9°F)
Temperature compensation		Automatic, 0 to 50°C (32 to 122°F)
Calibration		1 to 3 points
Buffer recognition		USA, NIST
Power		Four AAA batteries (included), 400 hours of continuous use



## Oakton® Waterproof Testr™ 5 Pocket Testers

### Save money by replacing sensor, not the tester

- Unique three-colour backlight indicates operating mode
- Simple to calibrate with automatic standard recognition—USA and NIST
- Rugged IP67-rated housing is waterproof, dustproof, and floats in water with sensor cap on
- Leakproof cap with fill line functions as a sample/calibration and hydrating cup
- Choose model with flat probe for surface or micro-volume testing, or spear tip for testing semisolid and solid materials



Model	pH5	pH5F	pH5S	ORP5
<b>Catalogue number</b>	<b>MY-35634-16</b>	<b>MY-35634-46</b>	<b>MY-35634-52</b>	<b>MY-35634-54</b>
Sensor type	Glass bulb	Flat surface	Spear tip	Glass bulb
Range	pH	-2 to 16 pH		—
	ORP	±1000 mV		±1000 mV
	Temp	0 to 50°C (32 to 122°F)		
Resolution	pH	0.01 pH		—
	ORP	1 mV		1 mV
	Temp	0.1°C/°F		
Accuracy	pH	±0.01 pH ±1 digit		—
	ORP	±0.2% FS		±0.2% FS
	Temp	±0.5°C (0.9°F)		
Temp compensation		Automatic, 0 to 50°C (32 to 122°F)		
Calibration		1 to 3 points		1 point
Power		Four AAA batteries (included), 400 hours continuous use		

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## Oakton® Waterproof EcoTestr™ pH2+ Pocket Tester

### Better results—easier and faster

- Large dual-line display shows pH and temperature readings simultaneously
- Automatic temperature compensation ensures accuracy
- Easier, more intuitive interface and indicators for calibration, readiness, and battery life
- Use redesigned cap as sample cup and as a stabilising base to stand the meter upright
- Secure—attach a lanyard to prevent dropping in the field



Model		EcoTestr pH2+
<b>Catalogue number</b>		<b>MY-35423-01</b>
Range	pH	0.0 to 14.0 pH
	Temperature	0.0 to 50.0°C (32.0 to 122.0°F)
Resolution	pH	0.1 pH
	Temperature	0.1°C (0.1°F)
Accuracy	pH	±0.1 pH
	Temperature	±0.5°C (0.9°F) + 1 LSD
Temperature compensation		Automatic
Calibration		Up to 3 points
Buffer recognition		USA, NIST
Power		Four 1.5 V miniature alkaline batteries (included)

## Oakton® Waterproof pHTestr™ 30 Pocket Tester

### Use with confidence

- Features ±0.01 pH accuracy—suitable for most ASTM and EPA test procedures
- Resistant to most chemicals with Valox® sensor housing
- Autobuffer recognition for calibration up to 3 points
- Don't let temperature interfere with readings—ATC minimises impact

Double-junction electrode sensor handles wastewater and solutions containing sulfides, heavy metals, and Tris buffers. Replaceable electrode sensor features a clog-resistant Kynar® PVDF junction and a recessed, glass pH bulb to prevent breakage.



Model		pHTestr 30
<b>Catalogue number</b>		<b>MY-35634-30</b>
Range	pH	-1.00 to 15.00 pH
	Temperature	0 to 50°C (32 to 122°F)
Resolution	pH	0.01 pH
	Temperature	0.1°C/°F
Accuracy	pH	±0.01 pH
	Temperature	±0.5°C (0.9°F)
Temperature compensation		Automatic, 0 to 50°C (32 to 122°F)
Calibration		Up to 3 pH points
Buffer recognition		4.01, 7.00, 10.01 USA; 4.01, 6.86, 9.18 NIST
Power		Four 1.5 V button cell batteries (included)

## Oakton® PCTSTestr™ 50 Multiparameter Pocket Tester

### One tester measures it all!

- Versatile tester combines up to five measurements in one pocket-sized meter
- Parameters include pH, conductivity, TDS, salinity, and temperature
- Compatible with a wide range of samples with long-life pH electrode and stainless steel pin-style conductivity sensor
- Features up to 3-point pH calibration with NIST or USA autobuffer recognition, user-adjustable temperature coefficient, and self-adjusting TDS and salinity factor
- Leakproof cap functions as a sample/calibration cup, hydrating cup and as a stabilising base to stand the meter upright
- Easy-to-replace sensor module lets you use tester body over and over again



Model	PCTSTestr 50	
<b>Catalogue number</b>	<b>MY-35634-35</b>	
Range	pH	-1.00 to 15.00 pH
	Conductivity	0.0 to 200.0 µS, 200 to 2000 µS; 2.00 to 20.00 mS
	TDS	0.0 to 100.0 ppm, 100 to 1000 ppm; 0.10 to 10.00 ppt (TDS factor 0.5)
	Salinity	0.00 to 10.00 ppt
	Temperature	0 to 60°C (32 to 140°F)
Resolution	pH	0.01 pH
	Conductivity	0.1 µS, 1 µS; 0.01 mS
	TDS	0.1 ppm, 1 ppm; 0.01 ppt
	Salinity	0.10 ppt
	Temperature	0.1°C/°F
Accuracy	pH	±0.01 pH
	Conductivity	±1% full-scale
	TDS	±1% full-scale
	Salinity	±1% full-scale
	Temperature	±0.5°C (0.9°F) from 0 to 50°C (32 to 122°F); ±1.0°C (1.8°F) from 50 to 60°C (122 to 140°F)
Temperature compensation	Automatic, 0 to 60°C (32 to 144°F)	
Calibration	3 points (pH, conductivity, TDS); 1 point (salinity)	
Buffer recognition	USA 4.01, 7.00, 10.01; NIST 4.01, 6.86, 9.18	
Power	Four AAA 1.5 V batteries (included)	

MY-35634-37 Replacement sensor

## Oakton® Waterproof pH 450 Meter

### Easy-to-read measurements

- Use it in any environment with backlit display and rugged design
- Intuitive, user-friendly icons show electrode status as pH slope
- Easily attach electrode to a beaker or container with Grip-Clip™ holder
- Download and analyse up to 500 data sets with USB or RS-232 output
- Use as a benchtop meter as well—built-in stand and wall-mount option



Waterproof, IP67-rated meter is ideal for even the harshest environments. View the main measurement simultaneously with temperature and calibration data with % slope on the large, backlit LCD. Be more accurate with up to six calibration points from USA, NIST, DIN, and custom pH buffers. Automatic temperature compensation (ATC) ensures measurement accuracy even in fluctuating temperatures.

**Meter only includes:** Grip-Clip holder and two AA batteries.  
**Meter with probe adds:** "All-in-one" pH/temperature electrode.  
**Meter kit further adds:** pH buffer solutions, storage solution, rinse solution, and hard carrying case.



Meter only

Description	Meter only	Meter with probe	Meter kit
<b>Model</b>	<b>pH 450</b>		
<b>Catalogue number</b>	<b>MY-35618-32</b>	<b>MY-35618-30</b>	<b>MY-35618-90</b>
<b>Precalibrated cat. no.</b>	<b>MY-35618-34</b>	<b>MY-35618-33</b>	<b>MY-35618-91</b>
Range	pH	-2.00 to 16.00	
	mV	±2000 mV	
	Ion	0.0 to 19,999	
	Temperature	-10.0 to 110.0°C (-17.0 to 230.0°F)	
	Accuracy	pH	±0.01
Accuracy	mV	±0.2 mV ±2 LSD or ±0.5% of reading; whichever is greater	
	Ion	±0.5% full-scale (monovalent); ±1% full-scale (divalent)	
	Temperature	±0.5°C (±0.9°F)	
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) or optional universal power adapter (sold on page 103)		

## Oakton® pHTestr® 50 Pocket Tester

### Bring the performance of your lab instruments into the field

- High ±0.01 pH accuracy—suitable for most ASTM and EPA test procedures
- Clog-resistant, double-junction pH electrode sensor is dependable and long-lasting!
- Use with confidence—even with demanding samples containing sulfides, heavy metals, organics, Tris buffer, or protein solutions
- Save money—replaceable sensor module lets you use tester body over and over again
- Set up and calibrate quickly with easy-to-navigate interface
- Don't let temperature interfere—ATC minimises impact
- Leakproof, stabilising cap—use to calibrate, stand upright, and store sensor
- Waterproof, IP67-rated housing resists most chemicals



Model	pHTestr 50	
<b>Catalogue number</b>	<b>MY-35634-15</b>	
Range	pH	-1.00 to 15.00 pH
	Temperature	0 to 60°C (32 to 140°F)
Resolution	pH	0.01 pH
	Temperature	0.1°C/°F
Accuracy	pH	±0.01 pH
	Temperature	±0.5°C (0.9°F) + 1 LSD from 0 to 50°C (32 to 122°F); ±1.0°C (1.8°F) + 1 LSD from 50 to 60°C (122 to 140°F)
		Temperature compensation
Calibration	Up to 3 points	
Buffer recognition	USA 4.01, 7.00, 10.01; NIST 4.01, 6.86, 9.18	
Power	Four AAA 1.5 V batteries (included)	

MY-35634-17 Replacement sensor

## Oakton® pH 5+ and pH 6+ Meters

### Get high accuracy at low prices

- Autobuffer recognition for up to five-point calibration provides ±0.01 pH accuracy
- Take this compact unit anywhere
- Get pH and temperature readings at the push of a button
- Improve your accuracy with automatic temperature compensation (ATC) from 0 to 100°C
- Protect your unit with protective rubber boot that doubles as a stand
- Choose the pH 6+ meter to also read mV



**Meter includes:** ATC probe, protective rubber boot, and batteries.

**Meter with probe adds:** pH electrode 59001-65.

**Meter kit adds:** "All-in-one" pH electrode, pH buffer solutions, sample bottles, rinse bottle, and carrying case.

### Save time, save money!

#### Choose Precalibrated

Includes a data-rich, ISO 17025-compliant certificate!

Precalibrated by **INNOCAL**  
INNOVATIVE CALIBRATION SOLUTIONS

**OAKTON**

ISO9001:2008 CERTIFIED SUPPLIER CE Meter only

### Specifications

Mode	pH	mV (pH 6+ only)	Temperature
Range	0.00 to 14.00 pH	±1000 mV or rel mV	0 to 100.0°C
Resolution	0.01 pH	1 mV	0.1°C
Accuracy	±0.01 pH	±2 mV	±0.5°C
Calibration	Up to five points: pH 1.68, 4.01, 7.00, 10.00, 12.45 (USA); pH 1.68, 4.01, 6.86, 9.18, 12.45 (NIST) pH 4.10, 6.97 (Pb)	±20 mV	Offset 0.1°C increments

**Temp compensation:** automatic with ATC probe, 0 to 100°C

**Power:** four AAA batteries (included)

Model	Description	Meter		Precalibrated	
		Catalogue number	Catalogue number	Catalogue number	Catalogue number
pH 5+	Meter only	<b>MY-35613-50</b>	<b>MY-35613-51</b>		
pH 6+		<b>MY-35613-20</b>	<b>MY-35613-41</b>		
pH 5+	Meter with probe	<b>MY-35613-52</b>	<b>MY-35613-53</b>		
pH 6+		<b>MY-35613-22</b>	<b>MY-35613-42</b>		
pH 5+	Meter kit	<b>MY-35613-54</b>	<b>MY-35613-55</b>		
pH 6+		<b>MY-35613-24</b>	<b>MY-35613-44</b>		

### Accessories

**MY-59001-65 Replacement pH electrode;** single-junction, gel-filled. Epoxy body, BNC connector

**MY-35811-71 "All-in-one" combination pH probe** with built-in ATC; single-junction sealed, epoxy body, BNC connector

**MY-35811-72 "All-in-one" combination pH probe** with built-in ATC; double-junction sealed, epoxy body, BNC connector

**MY-35613-05 Replacement ATC probe,** stainless steel

**MY-09376-00 Replacement batteries,** AAA. Pack of 12

## Oakton® Waterproof pH 150 Meter

### Get more for your money!

- Intuitive, user-friendly icons show electrode status as pH slope
- Get quick and easy electrode attachment to a beaker or container with Grip-Clip™ holder
- Recall more data with expanded data logging for up to 150 data sets
- mV offset for calibration of ORP standards, zeroing mV value, and pH diagnostics
- Use as a benchtop meter as well—built-in stand or wall-mount option



View more simultaneously with large, three-line LCD providing pH or mV measurement with temperature and calibration % slope. Get faster calibration with auto buffer recognition which identifies the correct pH buffer. Be more accurate with up to six calibration points from USA, NIST, and DIN pH buffer sets and automatic temperature compensation (ATC).

Additional features include ready (stability) indicator, smart averaging, hold function, calibration alarm (visible), battery-life indicator, and electrode status.

**Meter only includes:** Grip-Clip holder and two AA batteries.

**Meter with probe adds:** "All-in-One" pH electrode (35808-71).

**Meter kit further adds:** pH buffers, storage solution, rinse solution, and hard carrying case.

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Meter only

Description	Meter only	Meter with probe	Meter kit
<b>Model</b>	pH 150		
<b>Catalogue number</b>	<b>MY-35614-32</b>	<b>MY-35614-30</b>	<b>MY-35614-90</b>
<b>Precalibrated cat. no.</b>	<b>MY-35614-34</b>	<b>MY-35614-33</b>	<b>MY-35614-91</b>
Range	pH	-2.00 to 16.00	
	mV	±2000 mV	
	Temperature	-10.0° to 110.0°C (-17.0° to 230.0° F)	
Resolution	pH	0.01	
	mV	0.1 mV ±999.9 mV; 1 mV beyond	
	Temperature	0.1°C/F	
Accuracy	pH	±0.01	
	mV	±0.2 mV ±2 LSD or ±0.5% of reading; whichever is greater	
	Temperature	±0.5°C (±0.9°F)	
Calibration	pH	Up to 6 points: USA, NIST, DIN	
	mV	±200 mV	
	Temperature	Offset 0.1 increments	
Temperature compensation	Automatic or manual from -10 to 110°C		
Data logging	Stores up to 150 data sets		
Power	Two AA batteries (included); universal adapter (optional)		

### Accessories

**MY-35808-71 Replacement "All-in-One" combination pH electrode** with built-in ATC; single-junction, epoxy body, BNC connector

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

**MY-35614-50 Replacement Grip-Clip,** holder attaches probe to side of container for hands-free measurement

**MY-35614-51 Hard carrying case,** for 150/450 meters

**MY-35420-72 Optional power adapter,** 110/220 VAC

**MY-09376-01 Replacement batteries,** AA. Pack of 4

**MY-17106-20 ILAC MRA, NIST-traceable calibration** with data for pH meter

## Oakton® PH 550 Benchtop pH Meter

### Economical choice for benchtop pH measurement

- Automatically recognises calibration solutions (USA and NIST)
- Compact design saves valuable benchtop space
- Data logging allows you to store and recall up to 50 groups of data
- IP54-rated housing is dust- and spill-proof

This benchtop pH meter features automatic temperature compensation, data storage, parameter setup, and Max/Min reading display. The advanced digital processing technology improves meter response time and measuring accuracy. A stable reading display icon appears when the measuring value is stable.

**Kit includes:** 3-in-1 combination pH/temperature electrode, electrode holder, pH standard buffer solutions (4.00/7.00/10.01 pH, 50 mL each), and power adapter.



**OAKTON®**



Model		PH 550
<b>Catalogue number</b>		<b>MY-35419-30</b>
Range	pH	0 to 14.0
	mV	-1999 to 1999
	Temperature	0 to 100°C (32 to 212°F)
Resolution	pH	0.01/0.1
	mV	1
	Temperature	0.1°C (0.1/1°F)
Accuracy	pH	±0.01 pH ±1 digit
	mV	±0.1% full-scale ±1 digit
	Temperature	±0.5°C ±1 digit
Temperature compensation		Automatic or manual, from 0 to 100°C
Calibration		1 to 3 points, auto-calibration
Data logging		50 groups of data
Dimensions (L x W x H)		23.3 x 15.2 x 6.4 cm
Power		9 VAC DC power adapter

#### Accessories

**MM-35419-30 Replacement pH electrode**

**MM-17106-20 ILAC MRA, NIST-traceable calibration** for pH meters, handheld/benchtop

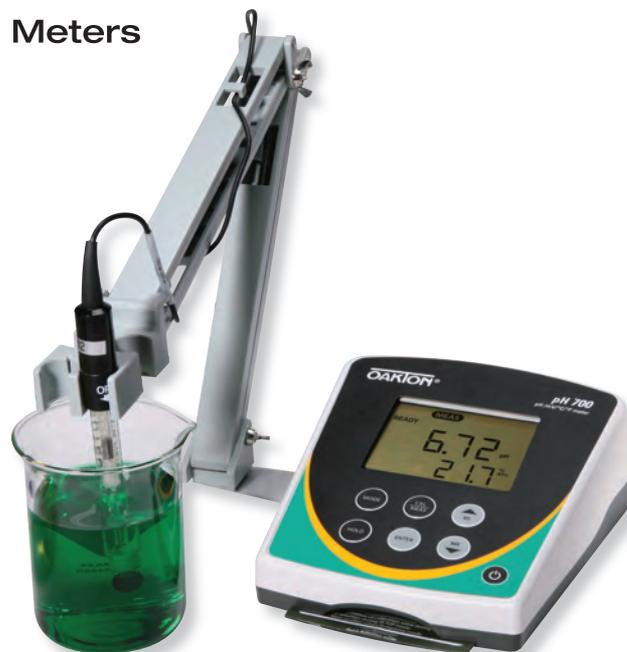
## Oakton® Benchtop pH 700 and Ion 700 Meters

### No more lost data—store and recall up to 100 data sets

- Takes up less bench space—40% smaller than comparable models
- Super-large dual-line display is easy to read
- Ion 700 adds ion concentration measurement and reads directly in ppm
- Simple calibrations with 5-point automatic pH buffer recognition for USA and NIST buffers
- More accurate measurements with up to 5-point calibration for ion concentration on Ion 700 model
- ATC maintains reading accuracy even with fluctuating temperatures
- Versatile—use with any pH, ORP, or ISE electrodes with BNC connector

#### Specifications

Range	pH	-2.00 to 16.00
	mV/rel mV	±2000
	ISE (Ion 700 only)	0.01 to 2000 ppm
	Temperature	0.0 to 100.0°C (32 to 100°F)
Accuracy	pH	±0.01 pH
	mV/rel mV	±0.2 within ±199.9 mV, ±2 beyond 199.9 mV
	ISE (Ion 700 only)	±0.5% rdg (monovalent); ±1% rdg (divalent)
	Temperature	±0.5°C (±0.9°F)
Temperature compensation	Automatic or manual from 0 to 100°C (32 to 100°F)	
Buffer recognition	USA or NIST buffer sets	
Data logging	100 data sets	
Power	100/240 VAC, 50/60 Hz	



**OAKTON®**

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**CE** Meter only



Model	Description	Meter	
		Catalogue number	Precalibrated meter Catalogue number
pH 700	Meter only	<b>MY-35419-00</b>	<b>MY-35419-01</b>
pH 700	Meter with "all-in-one" pH/ATC electrode	<b>MY-35419-03</b>	<b>MY-35419-05</b>
Ion 700		<b>MY-35419-23</b>	<b>MY-35419-27</b>
pH 700	Meter with double-junction pH electrode, ATC probe, and removable electrode holder	<b>MY-35419-10</b>	<b>MY-35419-11</b>
Ion 700		<b>MY-35419-20</b>	<b>MY-35419-24</b>
pH 700	Meter with removable electrode holder	<b>MY-35419-12</b>	<b>MY-35419-15</b>
Ion 700		<b>MY-35419-22</b>	<b>MY-35419-26</b>

# Oakton® Benchtop PC 700 and PC 2700 Meters

## Get all the readings you need in one compact unit

- Economical PC 700 for basic every day laboratory use
- Advanced PC 2700 for research-grade use with ion capability

**PC 2700 Meter** meets GLP requirements; meter stamps all calibration and stored data with time/date. Data are easily exported to a computer via RS-232 port. Order RS-232 and optional RS-232-to-USB adapter separately.

**Meter only includes:** universal power supply and electrode stand. **Meter with probes adds:** combination pH electrode and conductivity/temperature probe.

**Save time, save money!**

**Choose Precalibrated**

Includes a data-rich, ISO 17025-compliant certificate!

Precalibrated by **INNOCAL®**  
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Advanced PC 2700

### Specifications

Model	PC 700	PC 2700	
Range	pH	-2.00 to 16.00	-2.000 to 20.000
	mV/Rel mV	±2000	±2000.0
	ISE	—	0.001 to 19999 ppm
	Conductivity	0.0 µS to 200 mS	0.050 µS to 500.0 mS
	TDS	0.00 ppm to 100.0 ppt at 0.5 factor	0.050 to 500.0 ppt
	Salinity	—	0.0 to 80.0 ppt
	Resistivity	—	2.000 Ω to 20.0 MΩ
	Temperature	0 to 100°C (32 to 212°F)	0 to 100°C (32 to 212°F)
Accuracy	pH	±0.01 pH	±0.002 pH
	mV/Rel mV	±0.2 within ±199.9 mV, ±2 beyond 199.9 mV	±0.2 mV
	ISE	—	0.5% FS (monovalent), 1% FS (divalent)
	Conductivity	±1% full-scale	±1% full-scale
	TDS	±1% full-scale	±1% full-scale
	Salinity	—	±1% full-scale
	Resistivity	—	±1% full-scale
	Temperature	±0.5°C (±0.9°F)	±0.3°C (±0.5°F)
Calibration points	Up to 5 (USA, NIST)	Up to 6 (USA, NIST, DIN)	
Temp compensation	Automatic or manual	Automatic or manual	
Data logging	100 data sets	500 data sets	
Output	—	RS-232	
Power	110/240 VAC universal adapter		

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CE Meter only

Model	Description	Meters	
		Catalogue number	Precalibrated meters Catalogue number
PC 700	Meter only	MY-35413-20	MY-35413-21
	Meter with probes	MY-35413-00	MY-35413-01
PC 2700	Meter only	MY-35414-20	MY-35414-21
	Meter with probes	MY-35414-00	MY-35414-01

MY-35420-01 RS-232 cable for 2700-series meter

MY-35630-53 USB cable for 2700-series meter

# Thermo Scientific™ Orion™ Star™ A-Series

## Benchtop pH and pH/Ion Meters

### Stable readings locked in with Auto-Read™ function

- Star A111 basic meter is perfect for simple and accurate pH measurements
- Star A211 and A214 provide advanced data security and data logging

**Meters include:** electrode arm with probe holder and power adapter.

**Meter kits add:** appropriate probes, pH buffers, storage solution, and cleaning solution.

Star A214



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GS

CE

IP 54

Meter only

Model	A111 pH meter only	A111 pH meter kit	A211 pH meter only	A211 pH meter kit	A214 pH/ion meter only	A214 pH/ion meter kit
Catalogue number	MY-58825-02	MY-58825-04	MY-58825-22	MY-58825-24	MY-58825-26	MY-58825-28
Parameters	pH/mV/temperature		pH/mV/temperature		pH/mV/ion/temperature	
	-2.00 to 16.00		-2.000 to 20.000		-2.000 to 20.001	
	±1600.0 mV; ±1999.9 rel mV		±2000.0 mV		±2000.0 mV	
	—		—		0 to 19999	
Range	Temperature		Temperature		Temperature	
	-5 to 105°C (23 to 221°F)		-5 to 105°C (23 to 221°F)		-5 to 105°C (23 to 221°F)	
	pH		pH		pH	
	±0.01		±0.002		±0.002	
Accuracy	mV		mV		mV	
	±0.2 or 0.05% of reading		±0.2 or 0.05% of reading		±0.2 or 0.05% of reading	
	ISE		ISE		ISE	
	—		—		±0.2 mV or 0.05% of reading	
Calibration points	Temperature		Temperature		Temperature	
	±0.1°		±0.1°		±0.1°	
Calibration points	Up to 3; USA, NIST, DIN buffers		Up to 5; USA, NIST, DIN buffers		Up to 5; USA, NIST, DIN buffers	
Temperature compensation	Automatic or manual		Automatic or manual		Automatic or manual	
Data logging	50 points		2000 points with time/date stamp		2000 points with time/date stamp	
Output	—		RS-232, USB		RS-232, USB	
Power	100 to 240 VAC (power adapter included) or four AA batteries (not included)					

# Cole-Parmer® Epoxy-Body Combination pH and ORP Electrodes

## Get fast, stable readings



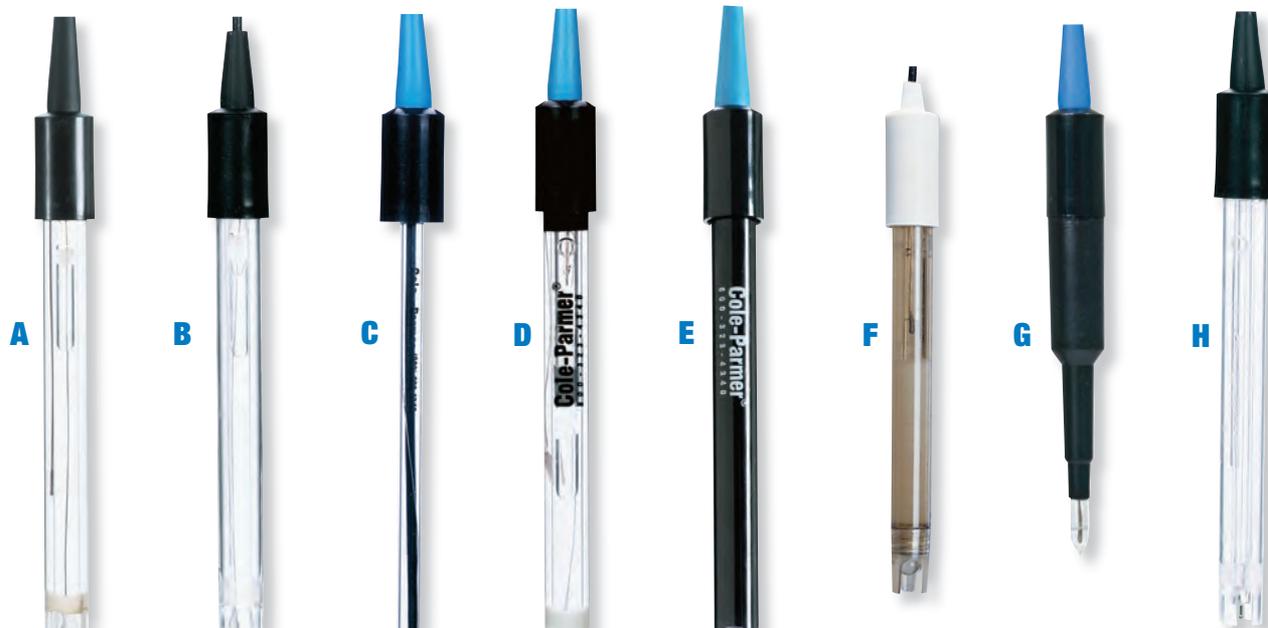
- Impact resistant—epoxy-body housing for added strength
- Ideal for your general-purpose applications in the lab or field
- Compatible with most brands of pH meter

These electrodes are ideal for prolonged pH or ORP readings. Electrodes with sealed, gel-filled design require virtually no maintenance. Electrodes with PTFE reference-junction offer extended electrode life. All listed electrodes have Ag/AgCl reference cells.

**What's included:** 1-m (3.3-ft) cable with BNC connector.

**See How to...**

**Maintain it!**  
ColeParmer.com/PHmaintain



Key	Description	Reference junction	Type	Maximum temperature	Length x dia (mm)	Catalogue number
<b>General-purpose pH electrodes</b>						
<b>A</b>	General purpose For dirty samples	Single	Sealed	80°C (176°F)	127 x 12	MY-59001-65
		Double				MY-59001-70
<b>B</b>	General purpose, refillable For dirty samples, refillable	Single	Refillable†	80°C (176°F)	148 x 12	MY-05992-30
		Double				MY-05991-12
<b>C</b>	Extra-long neck for test tube sampling	Single	Sealed	80°C (176°F)	220 x 6	MY-05990-45
<b>D</b>	Flat tip for surface or low-volume sampling	Single	Sealed	80°C (176°F)	127 x 12	MY-05990-65
<b>PTFE reference-junction pH electrodes (clog resistant)</b>						
<b>E</b>	General purpose For dirty samples	Single	Sealed	100°C (212°F)	110 x 12	MY-05992-00
		Double				MY-05992-02
<b>Special-purpose pH electrodes</b>						
<b>F</b>	Coiled-cable for dirty samples	Double	Sealed	80°C (176°F)	140 x 12	MY-05993-28
<b>G</b>	Spear-tip for dirty samples				110 x 10	MY-59002-24
<b>ORP electrodes</b>						
<b>A</b>	General purpose For dirty samples	Single	Sealed	80°C (176°F)	127 x 12	MY-59001-75
		Double				MY-59001-77
<b>H</b>	General purpose, refillable	Single	Refillable††	80°C (176°F)	155 x 12	MY-05990-55

†Use fill solution 05992-48 ††Use fill solution 05992-47

- MY-05992-48 Reference fill solution**, 4-M KCl. Two 125-mL bottles
- MY-05992-47 Reference fill solution**, 3.8-M KCl with AgCl. Two 125-mL bottles
- MY-05983-25 Adapter**, BNC to US standard plug meter

## Oakton® Flexible Electrode Holder

### Keep electrodes in position

- Holds up to four standard-size electrodes and one ATC probe.
- Weighted base pivots 360° for added convenience



Description	Catalogue number
Electrode holder	MY-35617-50

## Thermo Scientific™ Orion™ ROSS™ and ROSS Ultra™ pH Electrodes

Don't worry about drift—drift is less than 0.002 pH per day

- Get fast, accurate, and stable pH readings
- Ideal for food, pharmaceuticals, or biological samples

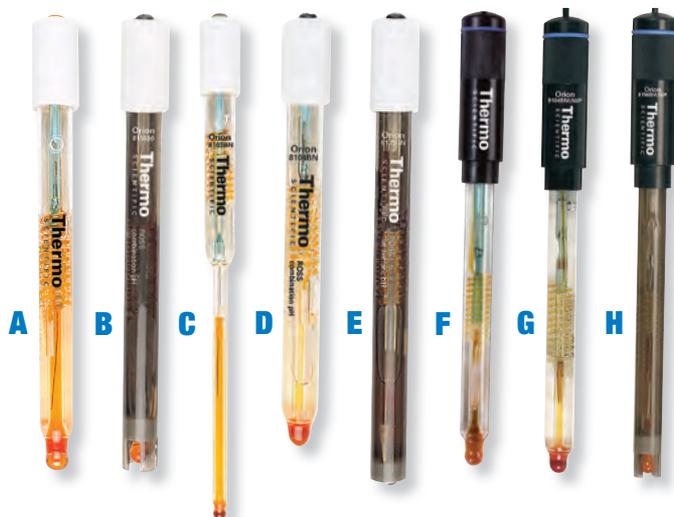
These pH electrodes offer a great mercury-free alternative to calomel electrodes—excellent for use in Tris buffer. The double-junction design protects the inner reference solution and prolongs the life of the electrode. Readings stabilise to 0.01 pH in less than 30 seconds—even with a 50°C temperature change. Electrodes read pH from 0 to 14. Maximum temperature is 100°C (212°F).

**ROSS pH Electrodes** utilise a platinum wire with 3-M KCl to prevent sample contamination with silver and mercury ions. All ROSS pH electrodes have BNC connector.

**What's included:** 1-m (3.3-ft) cable and BNC connector, and 60-mL of 3-M KCl filling solution.

**ROSS Ultra pH Electrodes** use a nonmetallic reference system featuring instantaneous liquid-liquid equilibration for contamination-free sampling, greater stability, and more accurate results. Maintains 0.01 pH precision over long periods of time. Backed by 2-year replacement warranty.

**What's included:** 1-m (3.3-ft) cable and the exclusive Star™ Series waterproof BNC connector (compatible with any pH meter that accepts BNC input), and 60-mL of 3-M KCl filling solution.



ISO9001:2008  
CERTIFIED SUPPLIER



Applications	Description	Length x dia (mm)	ROSS pH electrodes		ROSS Ultra pH electrodes	
			Key	Catalogue number	Key	Catalogue number
General-purpose, Tris buffers, nonaqueous solutions, and DI water	Glass body	120 x 12	A	MY-05718-02	F	MY-05718-70
For rugged general-purpose use, Tris buffers, nonaqueous solutions, and DI water	Epoxy body	120 x 12	B	MY-05718-07	G	MY-05718-77
Small sample size or samples in small-diameter vessels	Glass body	165 (total); 95 x 6	C	MY-05718-16	—	—
Rugged general-purpose and field use, nonaqueous solutions, and DI water	Glass body with rugged bulb	120 x 12	D	MY-05718-27	H	MY-05718-73
Soft, moist surfaces of solids or semisolids such as agar plates	Epoxy body, flat surface	120 x 12	E	MY-05718-32	—	—

### Accessories

**MY-05730-52 Filling solution** for all ROSS and ROSS Ultra Electrodes, 3-M KCl. Case of five 60-mL bottles

**MY-05730-60 ROSS pH Electrode storage solution**, 475-mL bottle

## Thermo Scientific™ Orion™ ROSS™ Triode™ pH Electrodes

Be more accurate with automatic temperature compensation (ATC)

- Best temperature response of any pH electrode available
- Built-in temperature for use with Thermo Scientific Orion meters
- No waiting—stable readings to 0.01 pH in less than 30 seconds

Measure both pH and temperature in one convenient 12-mm electrode. Mercury-free, double-junction reference is compatible with samples containing Tris, sulfides, and proteins. Glass-body electrode is available as a refillable junction. Epoxy-body electrodes are available in long-lasting refillable and low-maintenance sealed (gel-filled) options.

**What's included:** 1-m (3.3-ft) cable, BNC pH connector, and a MiniDIN ATC connector for use with Orion Star Series™ pH meters.

ISO9001:2008  
CERTIFIED SUPPLIER

Key	Description	ATC connector	Catalogue number
A	Glass body, refillable	MiniDIN for Star Series pH meters	MY-05718-28
B	Epoxy body, refillable	MiniDIN for Star Series pH meters	MY-05718-34
C	Epoxy body, gel-filled	MiniDIN for Star Series pH meters	MY-05718-44



**MY-05730-52 Filling solution** for all ROSS and ROSS Ultra Electrodes, 3-M KCl. Case of five 60-mL bottles

# Cole-Parmer® Combination Ion-Selective Electrodes and Solutions

## Save money and frustration— cost effective and easy to use

– Easily fit into small spaces—no additional reference electrode is needed

Electrodes are double-junction combination ion-selective electrodes and are convenient to use in places where two electrodes won't fit. Use with a meter that has a resolution of 0.1-mV for the most accurate results; a meter with direct readings in ppm is preferred. For monitoring ions not listed below or for more electrode application information, call our Application Specialists.

**Economy Epoxy Electrodes** have a durable epoxy body and are well-suited for portable field applications. Outer reference chamber is silver-free and resists contamination. These electrodes are refillable.

**Laboratory Glass Electrodes** are double-junction in design, with a glass body that provides high-quality measurements for your laboratory applications. Improved glass seal enhances performance and reliability. Sealed inner junctions and refillable outer junctions accommodate special reference fill solutions—ideal for low-concentration measurements.

**What's included:** a 15-mL bottle of reference solution, a reference filling pipette, and a 1-m (3.3-ft) cable and BNC connector. Solid-state electrodes also have twelve polishing strips.



Epoxy solid-state chloride electrode 27504-08

Glass solid-state fluoride electrode 27502-19

Epoxy glass membrane sodium electrode 27504-30

“Fast and stable.”



Cole-Parmer®

Ion-selective electrode	Type	Concentration range	Temperature/pH range <sup>†</sup>	Interferences <sup>‡</sup>	Economy epoxy electrodes	Laboratory glass electrodes
					Catalogue number	Catalogue number
Ammonia (NH <sub>3</sub> )	See page 109 for ordering information					
Ammonium (NH <sub>4</sub> <sup>+</sup> )	PVC membrane	5 x 10 <sup>-6</sup> to 1.0 M (0.1 to 18,000 ppm)	0 to 50°C/4 to 10	K <sup>+</sup>	MY-27504-00	MY-27502-03
Bromide (Br <sup>-</sup> )	Solid-state	5 x 10 <sup>-6</sup> to 1.0 M (0.4 to 79,900 ppm)	0 to 80°C/2 to 14	S <sup>-2</sup> , I <sup>-</sup> , CN <sup>-</sup> ; high Cl <sup>-</sup> and NH <sub>3</sub> levels	MY-27504-02	MY-27502-05
Cadmium (Cd <sup>+2</sup> )	Solid-state	10 <sup>-7</sup> to 10 <sup>-1</sup> M (0.01 to 11,200 ppm)	0 to 80°C/2 to 12	Ag <sup>+</sup> , Hg <sup>+2</sup> , Cu <sup>+2</sup> ; high Pb <sup>+2</sup> and Fe <sup>+2</sup> levels	MY-27504-04	MY-27502-07
Calcium (Ca <sup>+2</sup> )	PVC membrane	5 x 10 <sup>-6</sup> to 1.0 M (0.2 to 40,000 ppm)	0 to 50°C/3 to 10	Pb <sup>+2</sup> , Hg <sup>+2</sup> , Cu <sup>+2</sup> , Ni <sup>+2</sup> , Fe <sup>+2</sup> , Mg <sup>+2</sup> , Zn <sup>+2</sup> , Ba <sup>+2</sup> , K <sup>+2</sup> , K <sup>+</sup> , Na <sup>+</sup>	MY-27504-06	MY-27502-09
Chloride (Cl <sup>-</sup> )	Solid-state	5 x 10 <sup>-5</sup> to 1.0 M (1.8 to 35,500 ppm)	0 to 80°C/2 to 12	S <sup>-2</sup> , I <sup>-</sup> , CN <sup>-</sup> , Br <sup>-</sup> , OH <sup>-</sup> , NH <sub>3</sub> , S <sub>2</sub> O <sub>3</sub> <sup>-2</sup>	MY-27504-08	MY-27502-13
Copper (Cu <sup>+2</sup> )	Solid-state	10 <sup>-8</sup> to 10 <sup>-1</sup> M (0.0006 to 6350 ppm)	0 to 80°C/2 to 12	Ag <sup>+</sup> , Hg <sup>+2</sup> , high Cl <sup>-</sup> , Br <sup>-</sup> , Fe <sup>+2</sup> , and Cd <sup>+2</sup> levels	MY-27504-10	MY-27502-15
Cyanide (CN <sup>-</sup> )	Solid-state	5 x 10 <sup>-6</sup> to 10 <sup>-2</sup> M (0.1 to 260 ppm)	0 to 80°C/11 to 13	S <sup>-2</sup> , I <sup>-</sup> , Br <sup>-</sup> , Cl <sup>-</sup>	MY-27504-12	MY-27502-17
Fluoride (F <sup>-</sup> )	Solid-state	10 <sup>-6</sup> to saturated (0.02 to saturated)	0 to 80°C/5 to 8	OH <sup>-</sup>	MY-27504-14	MY-27502-19
Iodide (I <sup>-</sup> )	Solid-state	5 x 10 <sup>-8</sup> to 1.0 M (0.006 to 127,000 ppm)	0 to 80°C/0 to 14	S <sup>-2</sup> , CN <sup>-</sup> , Br <sup>-</sup> , Cl <sup>-</sup> , NH <sub>3</sub> , S <sub>2</sub> O <sub>3</sub> <sup>-2</sup>	MY-27504-18	MY-27502-23
Lead (Pb <sup>+2</sup> )	Solid-state	10 <sup>-6</sup> to 10 <sup>-1</sup> M (0.2 to 20,700 ppm)	0 to 80°C/3 to 8	Ag <sup>+2</sup> , Hg <sup>+2</sup> , Cu <sup>+2</sup> , high Cd <sup>+2</sup> and Fe <sup>+2</sup> levels	MY-27504-20	MY-27502-25
Nitrate (NO <sub>3</sub> <sup>-</sup> )	PVC membrane	7 x 10 <sup>-6</sup> to 1.0 M (0.5 to 62,000 ppm)	0 to 50°C/2.5 to 11	ClO <sub>4</sub> <sup>-</sup> , I <sup>-</sup> , CN <sup>-</sup> , BF <sub>4</sub> <sup>-</sup>	MY-27504-22	MY-27502-31
Perchlorate (ClO <sub>4</sub> <sup>-</sup> )	PVC membrane	7 x 10 <sup>-6</sup> to 1.0 M (0.7 to 98,000 ppm)	0 to 50°C/2.5 to 11	NO <sub>3</sub> <sup>-</sup> , NO <sub>2</sub> <sup>-</sup> , CN <sup>-</sup> , ClO <sub>3</sub> <sup>-</sup> , I <sup>-</sup>	MY-27504-24	MY-27502-35
Potassium (K <sup>+</sup> )	PVC membrane	10 <sup>-6</sup> to 1.0 M (0.04 to 39,000 ppm)	0 to 50°C/2 to 12	Cs <sup>+</sup> , NH <sub>4</sub> <sup>+</sup> , Tl <sup>+</sup> , H <sup>+</sup> , Ag <sup>+</sup> , Li <sup>+</sup> , Na <sup>+</sup> , Tris <sup>1+</sup>	MY-27504-26	MY-27502-39
Silver/Sulfide (Ag <sup>+</sup> /S <sup>-2</sup> )	Solid-state	10 <sup>-7</sup> to 1.0 M (Ag <sup>+</sup> , S <sup>-2</sup> ) (0.01 to 107,900 ppm Ag <sup>+</sup> ; 0.003 to 32,100 ppm S <sup>-2</sup> )	0 to 80°C/2 to 12	Hg <sup>+2</sup>	MY-27504-28	MY-27502-41
Sodium (Na <sup>+</sup> )	Glass membrane	10 <sup>-6</sup> M to saturated (0.02 ppm to saturated)	0 to 80°C/5 to 12	H <sup>+</sup> , K <sup>+</sup> , Li <sup>+</sup> , Ag <sup>+</sup> , NH <sub>4</sub> <sup>+</sup> , Rb <sup>+</sup> , Cs <sup>+</sup> , Tl <sup>+</sup>	MY-27504-30	MY-27502-43
Surfactant (X <sup>-</sup> /X <sup>-</sup> )	PVC membrane	10 <sup>-5</sup> to 5 x 10 <sup>-2</sup> M (1.0 to 12,000 ppm)	2 to 12	Similar types of surfactants	MY-27504-32	MY-27502-45
Water hardness (Ca <sup>+2</sup> /Mg <sup>+2</sup> )	PVC membrane	10 <sup>-5</sup> to 1.0 M (0.4 to 40,000 ppm as Ca <sup>+2</sup> )	0 to 50°C/5 to 10	Cu <sup>+2</sup> , Zn <sup>+2</sup> , Ni <sup>+2</sup> , Fe <sup>+2</sup>	MY-27504-34	MY-27502-49

<sup>†</sup>Optimal pH range for direct measurement.

<sup>‡</sup>These ions are listed in order of decreasing concentrations of interference.

**Solution Kits** sold separately below include all of the solutions needed for accurate measurements. Each kit includes one reference filling pipette, one 60-mL bottle of reference fill solution, one 475-mL bottle of 1000 ppm standard solution, and one 475-mL bottle of ionic strength adjustor (except models 27502-69 and 27502-91, which come in a 3.8-L bottle).

Replacement ionic strength adjustors come in 475-mL bottles (except model 27503-58, which comes in a 3.8-L bottle).



Solution kit 27502-63 and ISA bottle 27503-51

Ion	Standards and fill solution kits		Replacement ionic strength adjustors <sup>†</sup>	
	Catalogue number	Formulations for fill/standard solutions	Catalogue number	Solution formulation
NH <sub>3</sub>	See adjacent ad for ordering information			
NH <sub>4</sub> <sup>+</sup>	MY-27502-53	0.1 M NaCl/ 1000 ppm as N	MY-27503-53	5 M NaCl
Br <sup>-</sup>	MY-27502-55	1 M KNO <sub>3</sub> / 1000 ppm as Br <sup>-</sup>	MY-27503-51	5 M NaNO <sub>3</sub>
Cd <sup>+</sup>	MY-27502-57	1 M KNO <sub>3</sub> <sup>‡</sup>	MY-27503-51	5 M NaNO <sub>3</sub>
Ca <sup>+2</sup>	MY-27502-59	4 M KCl/ 1000 ppm as Ca <sup>+2</sup>	MY-27503-52	4 M KCl
Cl <sup>-</sup>	MY-27502-63	1 M KNO <sub>3</sub> / 1000 ppm as Cl <sup>-</sup>	MY-27503-51	5 M NaNO <sub>3</sub>
Cu <sup>+2</sup>	MY-27502-65	1 M KNO <sub>3</sub> / 1000 ppm as Cu <sup>+2</sup>	MY-27503-51	5 M NaNO <sub>3</sub>
CN <sup>-</sup>	—	—	—	—
F <sup>-</sup>	MY-27502-69	4 M KCl/ 1000 ppm as F <sup>-</sup>	MY-27503-58	TISAB I
I <sup>-</sup>	MY-27502-73	1 M KNO <sub>3</sub> / 1000 ppm as I <sup>-</sup>	MY-27503-51	5 M NaNO <sub>3</sub>
Pb <sup>+2</sup>	—	—	MY-27503-56	5 M NaClO <sub>4</sub>
NO <sub>3</sub> <sup>-</sup>	MY-27502-79	0.1 M (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> / 1000 ppm as NO <sub>3</sub> <sup>-</sup>	MY-27503-60	2 M (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>
ClO <sub>4</sub> <sup>-</sup>	MY-27502-85	0.1 M (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> / 1000 ppm as ClO <sub>4</sub> <sup>-</sup>	MY-27503-60	2 M (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>
K <sup>+</sup>	MY-27502-89	0.1 M NaCl/ 1000 ppm as K <sup>+</sup>	MY-27503-53	5 M NaCl
Ag <sup>+</sup> / S <sup>-2</sup>	MY-27502-91	1 M KNO <sub>3</sub> / 1000 ppm as Ag <sup>+</sup>	MY-27503-51	5 M NaNO <sub>3</sub>
Na <sup>+</sup>	MY-27502-93	0.1 M NH <sub>4</sub> Cl/ 1000 ppm as Na <sup>+</sup>	MY-27503-54	4 M NH <sub>4</sub> Cl with 4 M NH <sub>4</sub> OH
X <sup>+</sup> /X <sup>-</sup>	MY-27502-95	4 M KCl/ 0.05 M Hyamine <sup>®</sup> and 0.01 M SLS <sup>††</sup>	—	—
Ca <sup>+2</sup> / Mg <sup>+2</sup>	MY-27502-99	4 M KCl/ 1000 ppm as Ca <sup>+2</sup>	MY-27503-52	4 M KCl

<sup>†</sup>A 475-mL bottle of ionic strength adjustor is supplied with kit.

<sup>‡</sup>Customer-formulated standard solution required. <sup>††</sup>None required.

## Cole-Parmer<sup>®</sup> Ammonia Ion-Selective Electrodes

### Combines reference electrode and half-cell

- Fast and accurate readings in less than 30 seconds
- Save money with easily changeable membranes
- Measure concentrations to 17,000 ppm

Single-junction ammonia electrodes feature durable, epoxy bodies. The electrode with loose membranes is for users who prefer that style of installation. The electrode with pre-membraned caps makes electrode membrane replacement easier. Use electrodes with almost any existing meter.

**What's included:** 1-m (3.3-ft) cable and BNC connector, 15 mL of electrolyte, replacement membrane, and filling pipette. Order standards, ionic strength adjustors, and fill solution separately below.

Cole-Parmer<sup>®</sup>

“Excellent performance.”



27512-00 with membrane cap

Type	Concentration range	Temp/ pH range <sup>†</sup>	Inter- ferences	Catalogue number
<b>Electrode with loose membranes</b>				
Gas sensing	5 x 10 <sup>-7</sup> to 1.0 M (0.01 to 17,000 ppm)	0 to 50°C/ above 11	Volatile amines	MY-27502-00
<b>Electrode with pre-membraned cap</b>				
Gas sensing	5 x 10 <sup>-7</sup> to 1.0 M (0.01 to 17,000 ppm)	0 to 50°C/ above 11	Volatile amines	MY-27512-00

<sup>†</sup>Optimal pH range for direct measurement

#### Accessories

**MY-27503-00 Ammonia standard**, 0.1 M NH<sub>4</sub>Cl, 475-mL bottle

**MY-27503-93 Ammonia standard**, 1000 ppm ammonia as nitrogen, 475-mL bottle

**MY-27503-94 Ammonia standard**, 100 ppm ammonia as nitrogen, 475-mL bottle

**MY-05730-51 Ionic strength adjustor**, NaOH and EDTA, 475-mL bottle

**MY-27503-71 Ammonia fill solution**, 0.1 M NH<sub>4</sub>Cl, 125-mL bottle

**MY-27503-95 Replacement membranes**. Ten membrane tapes, one O-ring, and tweezers

**MY-27512-95 Replacement membrane caps** for 27512-00. Pack of 3

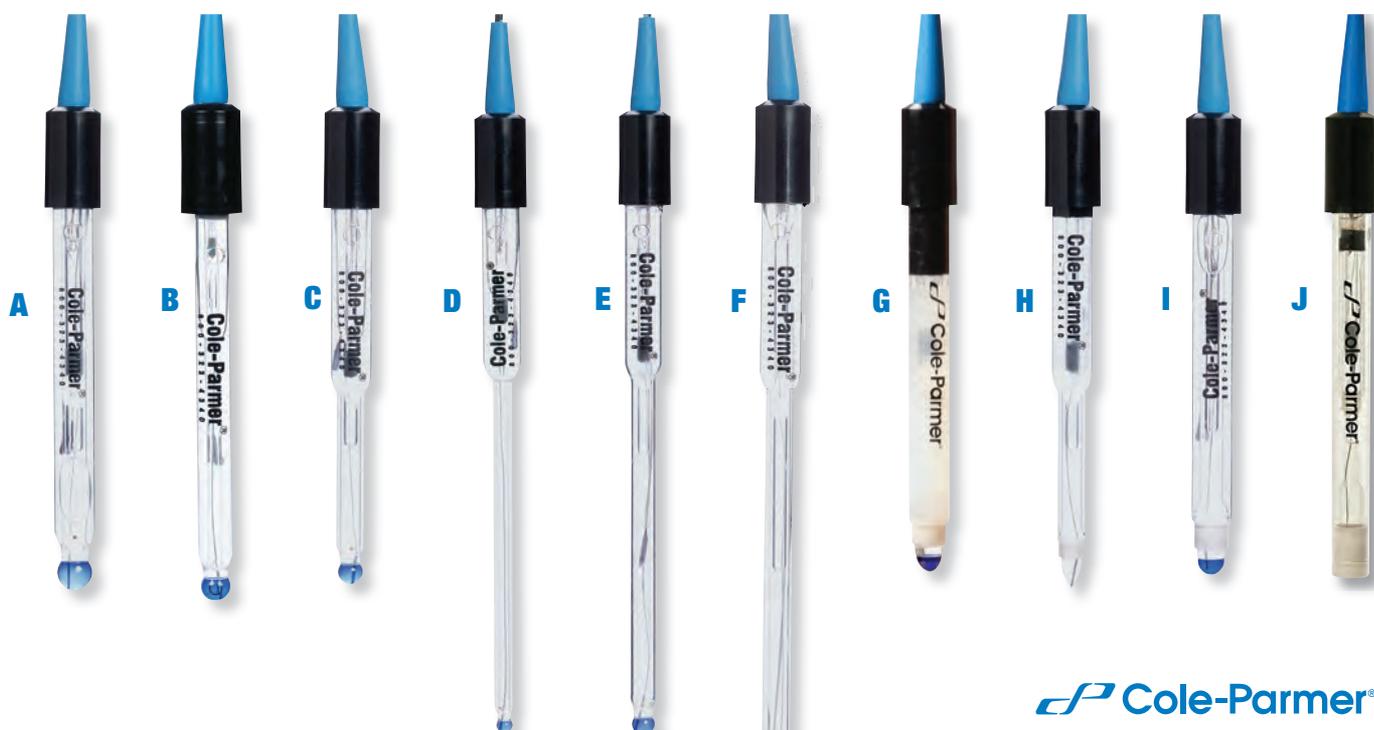
# Cole-Parmer® Glass-Body Combination pH and ORP Electrodes

## Faster response and increased stability across 0 to 14 pH range

- More durable—dome bulb for better protection from breakage
- Withstand higher temperatures and chemical attack
- Get more stability in low-ionic strength solutions
- Resistant to Na<sup>+</sup> ion interferences
- Compatible with most brands of pH meters

Available as refillable or sealed design for single, double, and annular Ag/AgCl junctions. Single-junction is ideal for clean samples; double junction is compatible with sulfates, Tris, and proteins; and annular junction is ideal for dirty samples.

**What's included:** 1-m (3.3-ft) cable and BNC connector.



 Cole-Parmer®

Key	Description	Reference junction	Type	Maximum temperature	Length x dia (mm)	Catalogue number
<b>General-purpose pH electrodes</b>						
<b>A</b>	General-purpose, laboratory	Single	Refillable	100°C (212°F)	154 x 12	<b>MY-05991-22</b>
	General-purpose for TRIS, sulfates, proteins	Double			154 x 12	<b>MY-59001-34</b>
<b>B</b>	Rugged, low maintenance	Single	Sealed	100°C (212°F)	123 x 9.5	<b>MY-05991-81</b>
	Rugged for TRIS, sulfates, proteins	Double			124 x 9.5	<b>MY-59001-36</b>
<b>C</b>	General-purpose, thin neck	Single	Refillable†	100°C (212°F)	154 x 8	<b>MY-05991-42</b>
<b>D</b>	Long neck for small test tubes				210 x 6	<b>MY-05991-61</b>
<b>E</b>	Long neck for large test tubes				210 x 8	<b>MY-05991-51</b>
<b>F</b>	Extra-long neck for flasks and bottles				326 x 8	<b>MY-05990-40</b>
<b>Special-purpose pH electrodes</b>						
<b>G</b>	High temperature, KNO <sub>3</sub> gel	Double	Sealed	120°C (248°F)	130 x 12	<b>MY-05998-30</b>
<b>H</b>	Spear tip for piercing semisolids and foods	Single	Sealed	100°C (212°F)	159 x 8	<b>MY-05998-20</b>
<b>I</b>	Soil electrode, eliminates "suspension effect"	Annular	Refillable†	100°C (212°F)	145 x 12	<b>MY-05992-62</b>
<b>J</b>	Flat-tip for surface or low volume sampling	Double	Refillable†	100°C (212°F)	130 x 12	<b>MY-05991-44</b>
<b>ORP electrodes</b>						
<b>A</b>	General purpose	Single	Sealed	100°C (212°F)	110 x 12	<b>MY-05991-08</b>
	For dirty samples	Double				<b>MY-05991-18</b>

†Use fill solution 05992-47.

### Accessories

**MY-05992-47 Reference fill solution** for refillable electrodes, 3.8-M KCl with AgCl. Two 125-mL bottles

**MY-05983-25 Adapter**, BNC to US standard plug meter

## Oakton® pH Buffer Solutions

Keep your readings accurate with these quality buffers

– Standardised against ILAC MRA, NIST-traceable pH references for meters with 0.01 resolution



Save by ordering larger sizes or by the case!

pH	500-mL bottles		1-L bottles	4-L bottles	
	Catalogue number				
1.68	MY-00654-01	—	—	—	—
4.01	MY-00654-00	MY-05942-21	MY-05942-22	MY-05942-24	MY-05942-25
6.86	MY-00654-03	—	—	—	—
7.00	MY-00654-04	MY-05942-41	MY-05942-42	MY-05942-44	MY-05942-45
9.18	MY-00654-07	—	—	—	—
10.00	MY-00654-08	MY-05942-61	MY-05942-62	MY-05942-64	MY-05942-65
12.45	MY-00654-12	—	—	—	—



## Oakton® Traceable® pH Buffers, ILAC MRA, NIST-Traceable Reference Materials

Feel more confident about accuracies

- Calibrated by ISO 17034 and ISO 17025 accredited laboratory—includes ILAC MRA, NIST-traceable certificate supplied by manufacturer
- Easy calibrations—include instructions and temperature compensation chart



pH	500-mL bottles	1-L bottles	4-L bottles
	Catalogue number	Catalogue number	Catalogue number
<b>Colourless buffers</b>			
4.01	MY-00651-00	MY-00651-30	MY-00651-70
7.00	MY-00651-02	MY-00651-32	MY-00651-72
10.00	MY-00651-04	MY-00651-34	MY-00651-74
<b>Colour-coded buffers</b>			
4.01 (red)	MY-00651-06	MY-00651-36	MY-00651-76
7.00 (yellow)	MY-00651-08	MY-00651-38	MY-00651-78
10.00 (blue)	MY-00651-10	MY-00651-40	MY-00651-80

## pH Buffer Capsules

No more wasted buffer

- Make only the buffer you need—empty one capsule into 100-mL of water and stir
- Accurate to ±0.02 pH

pH	Colour	Catalogue number
4.0	Orange	MY-05977-12
7.0	Green	MY-05977-14
9.0	Yellow	MY-05977-16
10.0	Blue	MY-05977-18



## Oakton® pH Buffer Pouches

Accuracy even on the go!

- Single-use pouch—just tear, dip, calibrate
- Standardised to ILAC MRA, NIST-traceable pH references



pH	Catalogue number
4.01	MY-35653-01
7.00	MY-35653-02
10.00	MY-35653-03
Rinse solution	MY-35653-00

MY-35653-04 Buffer pouch assortment pack; contains five pouches each of pH 4, 7, and 10 buffers and rinse solution

## Oakton® pH Buffer and pH Solution Packs

Maintain accuracy and your budget

- Save money by purchasing buffer pack—includes 500-mL bottle of pH 4, 7, and 10 ILAC MRA, NIST-traceable buffers
- Keep electrodes clean and stored correctly—purchase solution pack which adds 500-mL bottles of cleaning and storage solutions



Description	Qty/pk	Catalogue number
pH buffer pack	3 bottles	MY-05942-10
pH solution pack	5 bottles	MY-05942-15

## Oakton® Electrode Cleaning and Storage Solutions

Clean electrodes make clean measurements

- Easily remove grease, protein, and other deposits with cleaning solution
- Make electrode last longer—store in our storage solution
- Choose 500-mL bottle or case of 24 500-mL bottles



Solution type	1 bottle	24 bottles
	Catalogue number	Catalogue number
Cleaning	MY-00653-06	—
Storage	MY-00653-04	MY-35655-04