

Электроды проводимости, DO/ BOD, ионоселективные, pH/ ионные промышленные, лабораторные pH/Ion

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Cole-Parmer® 10-KOhm Thermistor Conductivity/Resistivity Cells



Economical replacements for a variety of controllers

- Ten-foot cables with stripped ends
 - Flow-through, in-line, swage, and dip styles available
- Cells withstand pressures up to 150 psi (at 135°C for SS; 25°C for CPVC and PVDF).

item	Description
<div>EW-19500-00</div>	Conductivity Cell, K=1.0, 10 Kohm ATC, CPVC body

item	Description
 EW-19500-10	Conductivity Cell, K=1.0, 10 Kohm ATC, PVDF body
 EW-19500-20	Conductivity Cell, K=1.0, 10 KOhm ATC, Glass; Type D
 EW-19500-22	Conductivity Cell, K=0.1, 10 Kohm ATC, glass body
 EW-19500-30	Conductivity Cell, K=1.0, 10 KOhm ATC, Glass; Type F

item**Description**

EW-19500-63

Conductivity Cell, K=0.01, 10 Kohm
ATC, stainless steel body



EW-19500-64

Conductivity Cell, K=0.1, 10 Kohm
ATC, stainless steel body




EW-19500-65

Conductivity Cell, K=1.0, 10 Kohm
ATC, stainless steel body



EW-19500-66

Conductivity Cell, K=10.0, 10 Kohm
ATC, CPVC body


item	Description
<div data-bbox="124 253 256 376"></div> <div data-bbox="256 253 679 376">EW-19500-67</div>	<div data-bbox="707 286 1133 349">Conductivity Cell, K=10.0, 10 Kohm ATC, PVDF body</div>



Cole-Parmer® Self-Cleaning Flat pH and ORP Electrodes



Flat electrode surface prevents buildup of solids Double junctions for difficult applications Annular junction reduces reference cell fouling

- Won't fail even in tough industrial environments
Choose from a variety of unique electrode designs for use in tough industrial environments. All models feature BNC pH connectors to match a variety of meters and controllers. Electrodes with temperature compensation feature 100 Ω RTD temperature elements with mini-audio plug connections. Flat surface does not collect suspended solids—fluid flow across the electrode provides a cleaning action that extends electrode life and improves performance. Electrodes feature a Viton® O-ring to hold glass bulb in place.

item	Description
 EW-27021-20	Self-cleaning flat pH electrode, PPS housing, 10-ft cable, BNC

item	Description
 EW-27021-22	Self-cleaning flat pH electrode, 100-Ohm Pt RTD, PPS housing, 10-ft cable, BNC
 EW-27021-50	Self-cleaning flat ORP electrode, PPS housing, 10-ft cable, BNC


Cole-Parmer® In-line or Submersible, Solution Grounded pH/ORP Electrodes



Industrial pH/ORP Electrodes for Chemical Property Testing

- Get longer life with PTFE double junctions
- Ideal for harsh conditions

These electrodes offer solution ground, PTFE references with double junctions and polymerized gel. All models include a 10-ft cable with BNC pH connector and Ryton® housing with 3/4" NPT(M) threads.

item	Description
 EW-27018-00	Solution Grounded pH Probe, DJ/PPS/No ATC; BNC

item	Description
 EW-27018-02	Solution Grounded pH Probe, DJ/PPS/100Ohm RTD; Plug/BNC
 EW-27018-03	Solution Grounded pH Probe, DJ/PPS/100Ohm RTD; Tinned/BNC
 EW-27018-20	Solution Grounded High-Na pH Probe, DJ/PPS/No ATC; BNC
 EW-27018-22	Solution Grounded High-Na pH Probe, DJ/PPS/100Ohm RTD; Plug/BNC

item	Description
 EW-27018-23	Solution Grounded High-Na pH Probe, DJ/PPS/100Ohm RTD; Tinned/BNC
 EW-27018-24	Solution Grounded High-Na pH Probe, DJ/PPS/1kOhm RTD; Spade/BNC
 EW-27018-40	Solution Grounded, Platinum-Band ORP Electrode; No ATC Element, BNC
 EW-27018-50	Solution Grounded, Gold-Band ORP Electrode; No ATC Element, BNC

Cole-Parmer® Replaceable Membrane Ion-Selective Electrodes








Don't throw it away—replace worn membranes quickly

- Replace worn membranes quickly
 - Extend the useful life of your electrodes
- Membrane replacement saves time and the expense of electrode replacement — ideal for continuous or frequent sample analysis. The durable outer epoxy body is ideal for field applications and the PVC membranes are color coded for easier identification. To sense a new ion, interchange membranes of the same type. Simply replace the worn membrane without removing any other component of the electrode. The replaceable membrane is not part of the liquid junction, so adding the new membrane will not affect it. The reference electrolyte won't leak during membrane replacement. These double-junction combination electrodes require no external reference. Electrodes are refillable with an outer silver-free reference fill.

Electrodes with PVC Membranes include one sensing module (in place), reference fill solution, internal fill solution, BNC connector with 3-ft cable, and instruction manual.

Electrodes with Solid-State Membranes include one sensing module (in place), polishing strips, reference fill solution, BNC connector with 3-ft cable, and instruction manual.

<div>item</div> <div>EW-27505-00</div>	<div>Ion-Selective Electrode</div> <div>Ammonium</div>
---------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------

item	Ion-Selective Electrode
 EW-27505-06	Calcium
 EW-27505-12	Nitrate
 EW-27505-24	Potassium
 EW-27506-12	Chloride

item

Ion-Selective Electrode



EW-27506-18

Copper



EW-27506-30


Fluoride


Cole-Parmer® 12-mm Glass Body, High-pH, Double-Junction pH Electrodes



Economical and efficient combination—buy a protective housing assembly, then simply replace the electrode as needed

- Use for many applications in a variety of housings
High-pH, double-junction electrodes are well suited for pH levels above 13 or high sodium ion concentrations. Double-junction reference protects against contamination from heavy metals, organics, and sulfides. Maximum pressure is 150 psi at 25°C.

item	ATC Element	Cable Length (m)	Connector
 EW-05994-23		3	BNC




item	ATC Element	Cable Length (m)	Connector
 EW-27013-23		7.6	BNC

Cole-Parmer® 12-mm Glass Body, General Purpose, Double-Junction pH Electrodes



Save money—just replace electrode

- Purchase a separate housing and simply replace electrodes as needed Dome bulb offers better protection from breakage Stable in low-ionic strength solutions Offers resistance to sodium ion error Compatible with most systems
 General purpose, double-junction electrodes prevent contamination of the AgCl reference cell by solutions that might react with silver (heavy metals, organics, sulfides). Electrodes can be used for measurements up to pH 13. Maximum pressure is 150 psi at 25°C.

item	Description
 EW-05654-82	pH Probe, DJ/Glass/1kOhm RTD/12 mm/10'; Spade/BNC
 EW-05994-22	General Purpose pH electrode, double-junction, 10-ft cable
 EW-05994-27	pH Probe, DJ/Glass/100Ohm RTD/12 mm/10'; Plug/BNC
 EW-27013-00	pH Probe, DJ/Glass/100Ohm RTD/12mm/10'; Tinned/BNC


item	Description
 EW-27013-22	General Purpose Double-Junction pH Electrode, 25-ft Cable
 EW-27013-27	pH Probe, DJ/Glass/100Ohm RTD/12mm/25'; Plug/BNC
 EW-27013-82	pH Probe, DJ/Glass/1kOhm RTD/12mm/25'; Spade/BNC

Cole-Parmer® Economical In-Line pH Electrodes







Integral, one-piece electrode and housing for installation convenience

- Choose from single-junction or double-junction designs
 - Options of BNC or stripped and tinned ends
- In-line electrodes operate from 32 to 212°F (0 to 100°C) and have a chemical-resistant PVDF housing with a 1/2" NPT(M) thread. Housing measures 4" x 15/16" diameter. Electrode extends 1" beyond housing. Maximum pressure 100 psi. Measure pH from 0 to 13.

item	Description
 EW-05993-38	In-Line pH Probe, DJ/PVDF/100Ohm RTD/10'; Tinned/Tinned

item	Description
 EW-05993-48	In-Line pH Probe, DJ/PVDF/1kOhm RTD/10'; Spade/Tinned
 EW-05993-70	In-Line pH Probe, SJ/PVDF/100Ohm RTD/10'; Plug/BNC
 EW-05993-79	In-Line pH Probe, SJ/PVDF/100Ohm RTD/10'; Tinned/BNC
 EW-05993-90	pH electrode, in-line, single-junction, no ATC, 10-ft cable, BNC


item	Description
 EW-27001-70	In-Line pH Probe, DJ/PVDF/100Ohm RTD/10'; Plug/BNC
 EW-27001-72	In-Line pH Probe, DJ/PVDF/100Ohm RTD/10'; Tinned/BNC
 EW-27001-90	pH electrode, in-line, double- junction, no ATC 10-ft cable, BNC
 EW-27001-91	In-Line pH Probe, DJ/PVDF/1kOhm RTD/10'; Spade/BNC




Cole-Parmer® Toroidal Conductivity Transmitters



Cole-Parmer® Toroidal Conductivity Transmitters

- In-line or submersible installation
 - CPVC and PVDF models available
 - Built in 100 Ω Pt RTD temperature compensation
- The electrodeless conductivity sensor is coupled with a two-wire, loop-powered 4 to 20 mA transmitter. The sensor requires an 11 to 24 VDC power supply and has a maximum draw of 600 ohms. If 11 to 24 VDC power is not already available, order process meter 94785-12 to power and display the sensor measurements, or refer to our process meter section for other models.
- The isolated 4 to 20 mA output can be used for control applications, connected to a recorder, or an alarm. The sensor has a temperature coefficient of 0.3%/degC, and measures 8"L x 1-1/2" diameter with 4-1/2" insertion depth. Sensor comes with a 10-ft cable with tinned ends.

item	Description
<div>EW-19504-00</div>	Toroidal Conductivity transmitter, CPVC, 0 to 10 mS

item	Description
 EW-19504-02	Toroidal Conductivity transmitter, CPVC, 0 to 100 mS
 EW-19504-04	Toroidal Conductivity transmitter, CPVC, 0 to 1000 mS
 EW-19504-12	Toroidal Conductivity transmitter, PVDF, 0 to 100 mS


Cole-Parmer® Submersible pH electrodes, 3-Ft



Reach further into solutions

- Three-foot length for easier measuring in tanks
- Sturdy design—permanently potted in sturdy ABS plastic housing
- Submersible up to cable

Submersible electrodes operate from 32 to 176°F (0 to 80°C). Submerge up to the cable. Measure pH from 0 to 13. Electrodes are potted in a 3 ft L x 1-1/16" diameter ABS sheath. Ideal for measurements in open containers such as tanks or troughs.

item	Description
 EW-05993-16	Basic pH/Temperature Meter

item

Description



Submersible 3' L pH Probe, SJ/ABS;
BNC

EW-05993-80



EW-05993-81

Submersible 3' L pH Probe,
SJ/ABS/100Ohm RTD; Plug/BNC






EW-05993-85

Submersible 3' L pH Probe,
SJ/ABS/100Ohm RTD; Tinned/BNC



Submersible 3' L pH Probe, DJ/ABS;
BNC

EW-27001-80

item	Description
 EW-27001-81	Submersible 3' L pH Probe, DJ/ABS/100Ohm RTD; Plug/BNC
 EW-27001-83	Submersible 3' L pH Probe, DJ/ABS/100Ohm RTD; Tinned/BNC
 EW-27001-84	Submersible 3' L pH Probe, DJ/ABS/1kOhm RTD; Spade/BNC

Cole-Parmer® 12-mm General-Purpose, Single-Junction pH Electrodes






Save money—just replace electrode

- Purchase a separate housing and simply replace electrodes as needed
- Dome bulb offers better protection from breakage
- Stable in low-ionic strength solutions
- Offers resistance to sodium ion error
- Compatible with most systems

General-purpose single-junction electrodes are economical yet accurate. Can be used for measurements up to pH 13. Maximum pressure is 150 psi at 25°C.

item	Description
 EW-05994-01	pH Probe, SJ/Glass/100Ohm RTD/12 mm/10'; Tinned/BNC

item	Description
 EW-05994-20	General Purpose pH Electrode, 10-ft Cable
 EW-27013-20	General Purpose pH Electrode, 25-ft Cable
 EW-27013-26	General Purpose pH Electrode, 100 Ohms Pt RTD, 25-ft Cable

Cole-Parmer All-in-One pH/ATC Electrode for 600 series meters, Double-Junction



Cole-Parmer – Item # EW-35816-72

3.0

of respondents would recommend this to a friend

Get accurate readings for even demanding applications

- Choose a pH electrode based on your application
- For clean samples, measure pH with single-junction electrodes
- Use double-junction electrodes for samples with contaminations or particulates, heavy metals, or organic compounds.
- For pH 0 to 12 readings
- Compatible with dirty samples or solutions containing heavy metals or organics
- 1 year warranty

Specifications &

Description

- | | |
|-------------------|--------------------------------------------------------------------|
| • Material | Epoxy |
| • Compatible With | Oakton 600 series meters |
| • Description | All-in-One pH/ATC Electrode for 600 series meters, Double-Junction |
| • Warranty | 1 year |

1
YEAR
Warranty

KEY FEATURES

- Choose a pH electrode based on your application
- For clean samples, measure pH with single-junction electrodes
- Use double-junction electrodes for samples with contaminations or particulates, heavy metals, or organic compounds.
- For pH 0 to 12 readings
- Compatible with dirty samples or solutions containing heavy metals or organics
- 1 year warranty

MORE ABOUT THIS ITEM


Low-maintenance epoxy-bodied electrodes provide the durability for field work. Refillable electrodes provide greater accuracy and faster response for more critical analytical work.

Cole-Parmer® Ion-Selective Electrodes



Double-junction electrodes easily connect to controller with stripped wire ends

- Compatible with ISE controller 56105-00
These industrial sealed double-junction electrodes easily connect to the ion selective controller. Industrial electrodes will withstand the conditions of your in-line application. Electrodes measure 12 mm dia x 80 mm L with 10-ft cord.
-

item	Ion-Selective Electrode
<div>EW-27077-01</div>	Ammonium

item

Ion-Selective Electrode



EW-27077-02

Calcium



EW-27077-04

Chloride



EW-27077-06

Fluoride



EW-27077-08

Lead

item

Ion-Selective Electrode



EW-27077-10

Nitrate



EW-27077-12

Potassium



EW-27077-16

Sodium



EW-27077-18

Water hardness Ca/Mg


Cole-Parmer® In-Line or Submersible pH Electrodes with Probe Guard



Reduce bulb damage with probe guard

- Versatile design—threads on both ends for submersion or in-line use
- Double-junction electrodes available; resist contamination from heavy metals, organics, or AgCl reactive compounds

In-line or submersible electrodes with probe guard operate from 23 to 176°F (-5 to 80°C) and have a PVC housing with a 3/4" NPT(M) fitting on both ends. Epoxy body withstands pressures to 100 psi. Measure pH from 0 to 14. All electrodes measure 6-3/4"L x 1" OD, with a 1-3/4" insertion depth.

item	Description
 EW-05993-10	pH electrode; single-junction, bnc connector

item	Description
 EW-27300-21	Insertion/Submersion pH Probe; SJ/CPVC/100Ohm RTD; Plug/BNC
 EW-27300-23	Insertion/Submersion pH Probe; SJ/CPVC/100Ohm RTD; Tinned/BNC
 EW-27300-24	Insertion/Submersion pH Probe; SJ/CPVC/1kOhm RTD; Spade/BNC
 EW-27301-20	Insertion/Submersion pH Probe; DJ/CPVC/; /BNC

item	Description
 EW-27301-21	Insertion/Submersion pH Probe; DJ/CPVC/100Ohm RTD; Plug/BNC
 EW-27301-23	Insertion/Submersion pH Probe; DJ/CPVC/100Ohm RTD; Tinned/BNC





Cole-Parmer® 100-Ohm Pt RTD Conductivity/Resistivity Cells

Economical replacements for a variety of controllers

- Ten-foot cables with stripped ends
- Flow-through, in-line, swage, and dip styles available

Cells withstand pressures up to 150 psi (at 135°C for SS; 25°C for CPVC and PVDF).



item	Description
 EW-19500-06	Conductivity Cell; K=0.1, SS, Swage; 100 Ohm Pt RTD ATC
 EW-19500-08	Conductivity Cell; K=1.0, SS, Swage; 100 Ohm Pt RTD ATC
 EW-19500-43	Conductivity Cell; K=0.01, SS, In-Line; 100 Ohm Pt RTD ATC
 EW-19500-44	Conductivity Cell; K=0.1, SS, In-Line; 100 Ohm Pt RTD ATC

item**Description**

EW-19500-45

Conductivity Cell; K=1.0, SS, In-Line; 100 Ohm Pt RTD ATC



EW-19500-46

Conductivity Cell; K=10.0 CPVC, In-Line; 100 Ohm Pt RTD ATC



EW-19500-50

Conductivity Cell; K=1.0; Epoxy, In-Line; 100 Ohm Pt RTD ATC



EW-19500-52

Conductivity Cell; K=0.1; Glass, Dip style, 100 Ohm Pt RTD ATC

item**Description**

EW-19500-56

Conductivity Cell; K=1.0; Glass, Dip-Style, 100 Ohm Pt RTD ATC



EW-19500-58

Conductivity Cell; K=1.0; Glass, Flow Through; 100 Ohm Pt RTD ATC



EW-35820-22

Conductivity Cell; K=10; Epoxy, In-line; 100 Ohm Pt RTD ATC



EW-35820-62

Conductivity Cell, K=1.0, Epoxy, Dip-Style, 100 Ohm Pt RTD ATC


Cole-Parmer® 12-mm Diameter ORP Electrodes






Use for many applications in a variety of industrial housings

- Purchase a separate housing and simply replace electrodes as needed
- Dome bulb offers better protection from breakage
- Stable in low-ionic strength solutions
- Offers resistance to sodium ion error
- Compatible with most systems

ORP electrodes measure oxidation/reduction levels in plating baths, waste water monitoring, and more. Use platinum-band electrodes for general-purpose applications from 23 to 212°F (-5 to 100°C). Use gold-disc electrodes for solutions containing cyanide from 23 to 230°F (-5 to 110°C).

item	Description
 EW-05994-21	Single-Junction ORP Electrode, Platinum Sensor, 10-ft Cable 05994- 21

item	Description
 EW-05994-25	Single-Junction ORP Electrode, Gold Sensor, 10-ft Cable
 EW-27006-21	ORP electrode, double-junction, platinum band, 10-ft cable
 EW-27006-25	Double-Junction ORP Electrode, Gold Sensor, 10-ft Cable


Cole-Parmer® Industrial Conductivity Cells



Rugged sensors withstand high pressure and temperature

- Designed for in-line or submersion conductivity measurements in processes that generate up to 250 psi and 392°F (200°C)
- 316 stainless steel construction provides excellent chemical compatibility
- Available with automatic temperature compensation (ATC) for compatibility with most makes and models of conductivity controllers

Cole-Parmer industrial conductivity cells are designed for high performance in harsh measurement conditions. Stainless steel construction resists aggressive chemicals, high pressures, and high temperatures. Threaded $\frac{3}{4}$ " NPT electrode bodies allow for in-line or submersion mounting. Cells are well-suited for boiler or ultrapure water applications.

item	Description
 EW-19501-75	High Temperature Conductivity Cell, K = 0.1, 100 Ohms Pt RTD ATC

item	Description
 EW-19501-83	High Temperature Conductivity Cell, K = 1.0, 100 Ohms Pt RTD ATC
 EW-19501-85	High-Temp Extended-Length Conductivity Cell, K=1.0, RTD
 EW-19501-87	High Temperature Conductivity Cell, K = 10.0, No ATC
 EW-19501-91	High Temperature Conductivity Cell, K = 10, 100 Ohms Pt RTD ATC





Cole-Parmer® Tuff-Tip, Semi-Domed 3/4" pH electrode



Less chance of breakage

- Don't worry about bulb breakage
 - Eliminate electrical noise with graphite-tipped models
- The unique Tuff-Tip design helps protect bulbs. Choose chemical-resistant Ryton® PPS standard electrode or with graphite tip. Ideal for viscous or severe applications, these electrodes reduce contamination and clogging with uniform pore size.

item	Description
 EW-27020-00	Tuff-Tip pH Electrode, No ATC, BNC, 3/4", 10 ft Cable
 EW-27020-02	Tuff-Tip pH Electrode 100 Ohm PT RTD(Mini Audio Plug), BNC, 3/4"

item	Description
 EW-27020-03	Tuff-Tip pH Electrode; 100 Ohm PT RTD (Tinned Ends), BNC, 3/4"
 EW-27020-06	Tuff-Tip pH Electrode 1 Kohm RTD(Spade Lugs), BNC, 3/4"
 EW-27020-40	Tuff-Tip pH Electrode, No ATC, BNC, 3/4", graphite tip
 EW-27020-42	Tuff-Tip pH Electrode, 3/4" (100 Ohms RTD), 3.5mm phono plug

item	Description
 EW-27020-43	Tuff-Tip pH Electrode, 3/4" 32 to 230°F(0 to 110°C)
 EW-27020-46	Tuff-Tip pH Electrode 1 Kohm, 3/4"

Cole-Parmer pH Electrode for Ultrapure Water



Cole-Parmer – Item # EW-27004-50

Specifications & Description

- | | | |
|---|--------------------------|----------------------------------|
| • | Electrode Body Material | 316 SS |
| • | Temperature Compensation | No |
| • | Thread Size NPT(M) (in) | 3/4 |
| • | Connector | BNC |
| • | Description | pH Electrode for Ultrapure Water |
| • | Warranty | 1 year |

1
YEAR
Warranty

MORE ABOUT THIS ITEM

Electrode has 10-ft long cable with BNC pH connector and tinned end for solution ground.

Cole-Parmer Removable High pH Double-Junction pH Electrode



Cole-Parmer – Item # EW-27009-20

Easily remove electrodes in seconds without removing the holder

- Ideal for in-line or submersion monitoring
- 1 year warranty

Specifications & Description

• Electrode Type	Double junction
• Electrode Body Material	Glass
• Min pH (pH)	0
• Max pH (pH)	14
• Max Temperature (° C)	110
• Connector	BNC
• Description	Removable High pH Double-Junction pH Electrode
• Warranty	1 year



MORE ABOUT THIS ITEM

These electrodes are ideal for applications involving high-sodium concentrations. Double-junction reference protects against contamination from heavy metals, organics, and sulfides. Use for measurements from 0 to 14 pH. Electrodes withstand temperatures from 23 to 230°F (-5 to 110°C).

Note: 100Ω RTD ATC elements conform to DIN curve 43760. ATC connector is miniature audio plug.

Connector for the 1 kΩ RTD and the 3 kΩ Balco ATC elements is a spade lug.

Connector for 100 kΩ thermistor ATC elements is a standard

Cole-Parmer pH Electrode Housing, submersible, PVDF w/ Viton o-rings



Cole-Parmer – Item # EW-05993-93

Protective housings for 12-mm electrodes

- Protective housings provide an economical alternative

Specifications & Description

• Applications	Submersible
• Connector	BNC
• Description	pH Electrode Housing, submersible, PVDF w/ Viton o-rings

MORE ABOUT THIS ITEM

This 41"L x 1-1/16" OD pipe is welded to a PVC connection box, and sealed with VITON O-rings for superior protection. Bottom tube detaches for electrode installation. CPVC model withstands temperatures up to 176°F (80°C); KYNAR model up to 230°F (110°C). Order extension cables for both models separately.

Cole-Parmer pH Electrode Housing, submersible, CPVC, no ATC



Cole-Parmer – Item # EW-05725-40

Feature built-in ATC element and solution ground

- A variety of housing styles available to meet your application requirements
- Maximum pressure is 100 psi
- 1 year warranty

Specifications & Description

• Electrode Body Material	CPVC
• Max Temperature (° C)	80
• Description	pH Electrode Housing, submersible, CPVC, no ATC
• Warranty	1 year



MORE ABOUT THIS ITEM

These unique holders feature an integrated 316 stainless steel pin ground wire that serves as a temperature compensator and a solution ground. Choose economical CPVC housing or chemical-resistant KYNAR housing. In-line holders have a 1" NPT(M) connection. Submersible holders have a 3/4" NPT(F) thread--connect plastic pipe to match your required submersion depth.

Note: Models 05725-40 and -50 do not come with ATC elements and do not solution ground.

Cole-Parmer Electrode Holder for Removable pH and ORP Electrodes, CPVC



Cole-Parmer – Item # EW-27009-50

Easily remove electrodes in seconds without removing the holder

Specifications & Description

- | | |
|---------------------------|------------------------------------------------------------|
| • Electrode Body Material | CPVC |
| • Min Temperature (° C) | -5 |
| • Max Temperature (° C) | 80 |
| • Max Pressure (PSI) | 100 |
| • Thread Size NPT(M) (in) | 3/4 |
| • Description | Electrode Holder for Removable pH and ORP Electrodes, CPVC |
| • Warranty | 1 year |

1
YEAR
Warranty

MORE ABOUT THIS ITEM

Integral cap assembly permits quick servicing for calibrations or replacement. Electrode holders have threads on each end. Install holders into a pipe tee for in-line use or on the end of a submersion pipe. Choose from CPVC for economical applications or PVDF for enhanced chemical resistance. Electrodes order separately.

Cole-Parmer® Modular pH Electrode Kits






Preconfigured pH kits make it easy to save; modular design reuses housing and replaces electrode as needed

- Flat-surface electrode design minimizes electrode damage
- Self-cleaning feature extends life of electrode
- Choose from submersible and in-line kits

Purchase a pre-configured kits to meet your application requirements. Economical alternative replaces cartridge and reuses housing and cables.

These self-cleaning, flat surface electrodes have been enhanced with protection against thermal and chemical breakdown. The double-junction pH reference protects from heavy metals, sulfur, iodine, or proteins.

item	Description
 EW-27113-06	Preconfigured pH electrode Submersible pH/Temperature Kit

item	Description
 EW-27113-16	Preconfigured Modular, Inline pH Kit
 EW-99673-21	Flow cell, Schedule 80 CPVC, 3/4" x 3/4" FNPT




Cole-Parmer® Self-Cleaning Industrial pH Electrodes with In-Line Assemblies



Flat measuring surface allows particles to sweep by minimizing abrasion and extending electrode life

- Turbulent flow provides a scrubbing action which cleans the measurement surface
- No moving parts and no need for external power simplifies installation
- Flat surface allows viscous fluids to flow by in shear preventing build up of old material and increasing measurement accuracy
- Extended electrode life means overall long-term cost savings

Rugged combination electrodes with flat measuring surfaces are ideal for industrial pH applications. In both coating and abrasive applications these cartridge type electrodes can improve measurement accuracy, reduce maintenance, prolong electrode life and virtually eliminate breakage. Electrodes have a unique and innovative design. In the center of the measuring surface is the pH-responsive flat glass surface. This surface is surrounded by the flat porous plastic reference junction. The large area of this porous junction has thousands of pores that provide excellent sample contact. Built into the electrode's body is a sealed, gel-filled double junction reference design. This design provides an extra barrier against reference side contamination. Also, it allows the electrodes to be used in applications where sulfides, mercaptans, heavy metal ions and similar materials are present. In-line mountings are ideal for replacing existing 3/4" threaded electrodes. They are useful in piping systems where flow can be shut off for electrode maintenance and where flow rates match the applications needs; for example, turbulent flow is needed in self-cleaning applications. A simple, re-usable 3/4" MNPT gland is used to mount the electrode in mating openings.


item	Description
 EW-27106-00	pH Electrode Housing, in-line, self-cleaning, CPVC
 EW-27106-10	In-Line pH Electrodes with CPVC Housing, 100 Ohms RTD
 EW-27106-20	In-Line pH Electrodes with CPVC Housing, 1 k Ohms RTD



Cole-Parmer® 12-mm High-Accuracy, Single-Junction, pH Electrodes



Economical and efficient combination—buy a protective housing assembly, then simply replace the electrode as needed

- Use for many applications in a variety of housings
High-accuracy electrodes are perfect for testing where temperature variations make many pH electrodes unreliable. These single-junction electrodes feature an innovative design that stabilizes readings in less than 20 seconds, with an accuracy of ± 0.02 pH! The pH value stays constant at any given temperature up to pH 13. Maximum pressure is 100 psi at 25°C.



item	Description
<div>EW-27012-00</div>	High-Accuracy pH Electrode, 10-ft Cable

item	Description
 EW-27012-02	High-Accuracy pH Electrode, 1 k Ohms Pt RTD, 10-ft Cable
 EW-27012-11	High-Accuracy pH Electrode, 100 Ohms Pt RTD, 25-ft Cable





Cole-Parmer® Ammonia Ion-Selective Electrode Accessories



Keep your ammonia ISE operating at its best with these parts and accessories.

item	Description
 EW-27503-00	ISE Standard solution, ammonia/ammonium, 0.1 M
	Ammonia fill solution, 0.1M NH ₄ Cl, 125 mL bottle
EW-27503-71	

ALWAYS
IN
STOCK

item	Description
 EW-27503-93	 Ammonium Standard, 1000 ppm Ammonium as Nitrogen, 475 mL
 EW-27503-94	 Ammonia standard, 100 ppm ammonia as nitrogen, 475 mL bottle
 EW-27503-95	 Replacement membranes for electrode 27502-00
 EW-27512-95	 Replacement membrane caps and O-rings for 27512-00. Pack of three

Cole-Parmer® Differential pH and ORP Sensors




Longer working lifetime with less maintenance

- Corrosion resistant through buffered reference cell solution
- Quick and easy maintenance with replacement salt bridge
- Improved chemical compatibility with PPS electrode body

The differential technology of these sensors provides advanced accuracy by virtually eliminating ground loops. In addition, the automatic temperature compensation of the sensors allows for precise measurement in temperature changing environments.

These sensors are made with a PPS body and salt bridge, PVDF and ceramic junction, Viton® O-rings, and a titanium solution ground. The pH sensors have a protected glass bulb while the ORP sensors have a platinum band. The durable construction allows for enhanced chemical compatibility.

These differential pH sensors have two reference electrodes for differential measurement of either pH or ORP with respect to a third metal ground electrode. These feature a reference cell which is a measuring electrode in a buffered pH 7.0 buffer solution. Using the buffered reference cell rather than the traditional silver/silver chloride reference resists contamination by the sample, improves accuracy, and extends the sensor life. Sensor life is also extended with the replacement salt bridge feature and refill solution, which avoids having to replace the entire sensor.

item	Description
 EW-27400-65	pH Sensor, Differential, Replace GLI/Hach


item	Description
 EW-27400-66	ORP Sensor, Differential, Replace GLI/Hach
 EW-27400-67	pH Sensor, Differential, 4-20 Output
 EW-27400-68	ORP Sensor, Differential, 4-20 Output
 EW-27400-69	pH Sensor, Differential, Self- Powered Preamp

Environmental Express pH Electrodes with Interchangeable Cables



Save space and money by using one cable with multiple electrodes or vice versa

- Cable cap rotates independently and will not bunch up
Match these combination electrodes with one of the connector cables listed at the right. If you use several pH meters that each have different connector types, these electrodes and cables can save you money. The probe-cable interface is moisture proof and noise free, with a sealing O-ring, gold-plated contacts, and PTFE insulation.

item	Description
 EW-05658-15	Interchangeable Cable pH Probe, Refillable/SJ/Glass; 154x12mm

item	Description
 EW-05658-25	Interchangeable Cable Refillable SJ Glass pH Probe; 210x6mm
 EW-05658-35	Interchangeable Cable Refillable SJ Glass pH Probe; 329x8mm
 EW-05658-45	pH electrode, combination, rugged, epoxy body, interchangeable connection
 EW-05658-70	Interchangeable Cable ORP Probe, Sealed/SJ/Epoxy; 155x12mm


Cole-Parmer® Tuff-Tip, Gel-Filled, Side-Mount pH Electrodes






Durable Tuff-Tip with ability to mount sideways

- No more breakage—tip design protects bulb
- Full range; measure up to pH of 14

The tip design protects the bulb from breakage and the gel internal fill solution allows electrode to be installed where others cannot. Rugged PVDF housing with 1/2" NPT (M) threads withstands temperatures from 23 to 176°F (--5 to 80°C) and pressures to 100 psi. Use for measurements up to pH 13. Models include a 10-ft cable with BNC pH connector. Insertion depth 1".

item	Description
 EW-27011-50	Side-Mount Tuff-Tip pH Probe, DJ/PVDF/No ATC; BNC

item	Description
 EW-27011-52	Side-Mount Tuff-Tip pH Probe, DJ/PVDF/100Ohm RTD; Tinned/BNC
 EW-27011-54	Side-Mount Tuff-Tip pH Probe, DJ/PVDF/1kOhm RTD; Spade/BNC
 EW-27011-68	Side-Mount Tuff-Tip pH Probe, DJ/PVDF/100Ohm RTD; Tinned/Tinned

Cole-Parmer® Stainless Steel Fermentation Dissolved Oxygen Probes



Designed for fermentation applications where probes are repeatedly steam-sterilized

- 316 SS Construction
 - Polarographic
- All models feature a polarographic sensor, and are available in a variety of body diameters, mounting styles, and immersion lengths. Temperature compensated probes feature 100 Ω RTD temperature measuring sensors. Order cables separately.

item	Description
<div>EW-05726-02</div>	Fermentation DO Probe; SS/Polarographic/320 mm, 3/4" NPT

item	Description
<div data-bbox="124 253 256 376" data-label="Image">  </div> <div data-bbox="256 253 432 286" data-label="Text"> <p>EW-29020-10</p> </div>	<div data-bbox="703 286 1121 349" data-label="Text"> <p>Fermentation DO Probe; SS/Polarographic/150 mm, 12 mm</p> </div>

Cole-Parmer Replacement ORP Electrode Cartridge for 27106-50



Cole-Parmer – Item # EW-27106-62

Keep original housing and simply replace the electrode cartridge

- Fluid flow across the surface provides a cleaning action that extends the life of the electrode and improves performance Flat measuring surface minimizes electrode coating, scratching, and breakage
- 1 year warranty

Specifications & Description

- | | |
|---------------------------|--------------------------------------------------|
| • Electrode Type | Double junction |
| • Electrode Body Material | CPVC |
| • Max Temperature (° C) | 100 |
| • Description | Replacement ORP Electrode Cartridge for 27106-50 |
| • Warranty | 1 year |

1
YEAR
Warranty

MORE ABOUT THIS ITEM



Perfect for systems with turbulent flow. Includes electrode mounting glands with 3/4" NPT(M) threads.

Cole-Parmer® Double-Junction pH and ORP Electrodes with Removable Electrode Assemblies



Easily remove electrodes in seconds without removing the holder

- Ideal for in-line or submersion monitoring
Double-junction electrodes prevent electrode contamination by solutions that might react with Ag^+ or Cl^- (heavy metals, organics, and sulfides). Use for measurements up to 13 pH. Withstands temperatures from 23 to 212°F (-5 to 100°C).

item	Description
 EW-27009-10	Removable Blue Glass Double-Junction pH Electrode
 EW-27009-11	Removable Blue Glass Double-Junction pH Electrode, 100 Ohms RTD

Cole-Parmer Removable General-Purpose, Single-Junction pH Electrode



Cole-Parmer – Item # EW-27009-00

Easily remove electrodes in seconds without removing the holder

- Ideal for in-line or submersible
- 1 year warranty

Specifications & Description

• Electrode Type	Single junction
• Electrode Body Material	Glass
• Min pH (pH)	1
• Max pH (pH)	13
• Max Temperature (° C)	100
• Connector	BNC
• Description	Removable General-Purpose, Single-Junction pH Electrode
• Warranty	1 year



MORE ABOUT THIS ITEM

Great for routine pH applications. Use blue glass bulb for measurements up to 13 pH. Electrodes withstand temperatures from 23 to 212°F (-5 to 100°C).

Note: 100Ω RTD ATC elements conform to DIN curve 43760. ATC connector is miniature audio plug.

Connector for the 1 kΩ RTD and the 3 kΩ Balco ATC elements is a spade lug.

Connector for 100 kΩ thermistor ATC elements is a standard


Cole-Parmer® Adapters for ERP Modular Electrodes





Fully submersible, PPS construction adapters to connect cap cable to electrode. Models available with or without ATC elements, and for submersion or in-line installations

- User-configurable self-cleaning, flat-surfaced electrodes for almost any application
- Extended Reference Path (ERP™) technology for long life and stability
- Modular plug-and-play design
- Optional plug-in electronics produce amplified or mA signals

These cartridge-style electrodes are the next generation of the well-proven Cole-Parmer cartridge electrodes. The userconfigurable, plug-and-play nature of the system provides the ultimate in flexibility and versatility—purchase as few, or as many components needed for your application. If your application needs later change, single components can be added or subtracted, saving time and money of having to replace an entire system. The reference system of the ERP-series has been enhanced with severe-duty reference gels to provide protection against thermal and chemical breakdown. In addition, a complex double-junction pathway protects the reference cell from contamination from heavy metals, sulfur, iodine, or proteins. Systems are configurable to interface with virtually any make or model o

item	Description
 EW-27113-20	Submersion adapter, No ATC or solution ground


item	Description
 EW-27113-22	In-line or submersion adapter with solution ground, No ATC
 EW-27113-24	In-line or submersion adapter, 100 Ohm ATC with solution ground

Cole-Parmer® Fluoride-Resistant, Self-Cleaning Cartridge pH Electrodes



Keep original housing and simply replace the electrode cartridge

- Fluid flow across the surface provides a cleaning action that extends the life of the electrode and improves performance
 - Flat measuring surface minimizes electrode coating, scratching, and breakage
- These electrodes are ideal for solutions containing acidic fluorides (hydrofluoric acid).

item	Description
<div>EW-27108-00</div>	HF Resistant Submersible pH Electrode, CPVC


item	Description
 EW-27108-02	HF Resistant Submersible pH Electrode, CPVC, 100 Ohms RTD
 EW-27108-04	HF Resistant Submersible pH Electrode, CPVC, 1 k Ohms RTD




Cole-Parmer® Tuff-Tip Bulb, In-line pH and ORP Electrodes



Semi-domed, tuff-tip limits glass exposure and protects electrode from damage

- Order single or double junction disposable electrodes for your in-line process control needs
 - Available with BNC or tinned ends
- Electrodes feature PVDF housing with 1/2" NPT(M) threads and withstands temperatures from 23 to 176°F (--5 to 80°C) and pressures to 100 psi. Electrodes include 10-ft cable with BNC pH connector and tinned ends for ATC element. Insertion depth 1".

item	Description
 EW-05995-01	In-Line pH Electrode with Tuff-Tip, No ATC Element

item	Description
 EW-05995-10	Tuff-Tip In-Line pH Probe, DJ/PVDF/; /BNC
 EW-05995-14	Tuff-Tip In-Line pH Probe, DJ/PVDF/1kOhm RTD; Spade/BNC
 EW-05995-22	Tuff-Tip In-Line ORP Probe, DJ/PVDF/10'/BNC


Cole-Parmer® Self-Cleaning Industrial pH Electrodes with Submersion Assemblies



Flat measuring surface allows particles to sweep by minimizing abrasion and extending electrode life

- Turbulent flow provides a scrubbing action which cleans the measurement surface
- No moving parts and no need for external power simplifies installation
- Flat surface allows viscous fluids to flow by in shear preventing build up of old material and increasing measurement accuracy
- Extended electrode life means overall long-term cost savings

Rugged combination electrodes with flat measuring surfaces are ideal for industrial pH applications. In both coating and abrasive applications these cartridge type electrodes can improve measurement accuracy, reduce maintenance, prolong electrode life and virtually eliminate breakage. Electrodes have a unique and innovative design. In the center of the measuring surface is the pH-responsive flat glass surface. This surface is surrounded by the flat porous plastic reference junction. The large area of this porous junction has thousands of pores that provide excellent sample contact. Built into the electrode's body is a sealed, gel-filled double junction reference design. This design provides an extra barrier against reference side contamination. Also, it allows the electrodes to be used in applications where sulfides, mercaptans, heavy metal ions and similar materials are present. The submersion assembly has a 1/2" MNPT thread to which a coupling and length of supporting pipe can be attached for submersion applications. It is also used when cables must be installed in conduit.

item	Description
 EW-27102-00	pH Electrode Housing, submersible, self-cleaning, CPVC

item	Description
 EW-27102-10	Submersible pH Electrode, CPVC, 100 Ohms RTD
 EW-27102-20	Submersible pH Electrode, CPVC, 1 k Ohms RTD
 EW-27103-00	pH Electrode Housing, submersible, self-cleaning, PVDF

Cole-Parmer EC91346S 4-electrode conductivity cell, 3/4" NPT(M)



Cole-Parmer – Item # EW-19503-00

Four-cell electrode eliminates polarizing effects.

- Ensures more accurate measurements in highly conductive samples
- Measurement range of 0.5 uS to 200 uS/cm
- Integral 100 ΩPt RTD temperature sensor
- 1 year warranty

Specifications & Description

- | | |
|-------------------------|--------------------------------------------|
| • Cell Constant | K = 0.3 |
| • Cell Type | Contact |
| • Electrode Material | 416 SS |
| • Body Material | Epoxy |
| • Fitting | 3/4" NPT(M) |
| • Mounting Type | Threaded |
| • Min temperature (° C) | -5 |
| • Max temperature (° C) | 80 |
| • Min temperature (° F) | 23 |
| • Max temperature (° F) | 176 |
| • Cable Length (m) | 10 |
| • Cable Length (ft) | 30 |
| • Description | 4-electrode conductivity cell, 3/4" NPT(M) |
| • Warranty | 1 year |



MORE ABOUT THIS ITEM

The four-cell electrode is made of epoxy with 416 SS contacting electrodes. 3/4" fittings at both ends allow for insertion into a T-fitting or submersion installations. Withstands pressures up to 6 bar (90 psi).


Cole-Parmer® Modular pH and ORP Electrodes



Universal sensor body, PPS construction. Models available for pH, ORP, low ionic strength solutions, and HF-resistant electrodes for solutions that should not exceed 1% hydrofluoric acid. Order pH electrode adapter at left to connect the new ERP-series electrodes to older style cartridge electrode cap cable installations.

- User-configurable self-cleaning, flat-surfaced electrodes for almost any application
- Extended Reference Path (ERP™) technology for long life and stability
- Modular plug-and-play design
- Optional plug-in electronics produce amplified or mA signals

These cartridge-style electrodes are the next generation of the well-proven Cole-Parmer cartridge electrodes. The userconfigurable, plug-and-play nature of the system provides the ultimate in flexibility and versatility—purchase as few, or as many components needed for your application. If your application needs later change, single components can be added or subtracted, saving time and money of having to replace an entire system. The reference system of the ERP-series has been enhanced with severe-duty reference gels to provide protection against thermal and chemical breakdown. In addition, a complex double-junction pathway protects the reference cell from contamination from heavy metals, sulfur, iodine, or proteins. Systems are configurable to interface with virtually any make or model

item	Description
 EW-27113-30	Standard Application, Cartridge-Style, Double Junction, pH Electrode

item	Description
 EW-27113-32	HF-resistant, Cartridge-Style, Double Junction, pH Electrode
 EW-27113-36	Standard Application, Cartridge- Style, Double Junction ORP Electrode

Cole-Parmer Self-Cleaning Retractable pH Electrode with CPVC Housing



Cole-Parmer – Item # EW-27104-00

Keep original housing and simply replace the electrode cartridge

- Flat measuring surface allows particles to sweep by minimizing abrasion and extending electrode life
- Turbulent flow provides a scrubbing action which cleans the measurement surface
- No moving parts and no need for external power simplifies installation
- Flat surface allows viscous fluids to flow by in shear preventing build up of old material and increasing measurement accuracy
- Extended electrode life means overall long-term cost savings
- 1 year warranty

Specifications & Description

- | | |
|---------------------------|----------------------------------------------------------|
| • Electrode Type | Double junction |
| • Electrode Body Material | CPVC |
| • Connector | BNC |
| • Description | Self-Cleaning Retractable pH Electrode with CPVC Housing |
| • Warranty | 1 year |



KEY FEATURES

- Flat measuring surface allows particles to sweep by minimizing abrasion and extending electrode life
- Turbulent flow provides a scrubbing action which cleans the measurement surface
- No moving parts and no need for external power simplifies installation
- Flat surface allows viscous fluids to flow by in shear preventing build up of old material and increasing measurement accuracy
- Extended electrode life means overall long-term cost savings
- 1 year warranty

Cole-Parmer Flow Cell for Ultrapure Water, 316 SS



Cole-Parmer – Item # EW-27004-00

For in-line pH measurements of ultrapure water

- Ideal for use in power plants
- 1 year warranty

Specifications & Description

- | | |
|---------------------------|---------------------------------------|
| • Electrode Body Material | 316 SS |
| • Thread Size NPT(F) (in) | 1/4 |
| • Description | Flow Cell for Ultrapure Water, 316 SS |
| • Warranty | 1 year |

1
YEAR
Warranty

MORE ABOUT THIS ITEM

Measure the pH of high-purity water without the problems usually associated with low-ionic strength solutions. Concentric design and low sample flow rate (100 to 150 mL/min) help reduce streaming potential effects. Rugged 316 stainless steel system is grounded to prevent noise pickup and CO₂ contamination. Electrode measures pH from 0 to 14 and withstands temperatures from 32 to 176°F (0 to 80°C). Order electrode, flow cell, and temperature compensation probe for a complete system. Electrode and temperature compensation probe sold separately.

Temperature probe (upper left), pH electrode (upper right), and flow cell (bottom) shown in image.

Cole-Parmer Temperature Compensating Probe for Ultrapure Water System, 1000 Ohm PT RTD



Cole-Parmer – Item # EW-27004-24

Optimize performance of your Ultrapure Water System

- Easily measure the temperature of your ultrapure water
- 1 year warranty

Specifications & Description

• Applications	Ultrapure
• Temperature Compensation	Yes
• ATC Connector	Spade lugs
• ATC Element	1 kΩ Pt RTD
• Connector	Spade lugs
• Cable Length (m)	3
• Description	Temperature Compensating Probe for Ultrapure Water System, 1000 Ohm PT RTD
• Warranty	1 year



MORE ABOUT THIS ITEM

Temperature probe (upper left), pH electrode (upper right), and flow cell (bottom) shown in image.
Temperature probe (upper left), pH electrode (upper right), and flow cell (bottom) shown in image.

Cole-Parmer® Tuff-Tip pH Electrodes with PTFE Junctions



Less chance of breakage

- Feature a 10-ft cable with BNC connector
pH electrodes are ideal for low temperatures, nonaqueous solutions, and pH measurements from 0 to 12.

item	Description
 EW-27003-01	Tuff-Tip In-Line pH Probe, DJ/CPVC/No ATC; /BNC
 EW-27003-11	Tuff-Tip In-Line pH Probe, DJ/CPVC/3kOhm Thermistor; Spade/BNC

Cole-Parmer® ORP Electrodes with Integrated Assemblies



Easily remove electrodes in seconds without removing the holder

- Ideal for in-line or submersion monitoring
Use for oxidation/reduction measurements in plating baths, waste-water monitoring, and other general-purpose applications. Platinum band ORP withstands temperatures from 23 to 212°F (-5 to 100°C).


item	Description
 EW-27009-30	Removable Single-Junction ORP Electrode
 EW-27009-31	Removable Double-Junction ORP Electrode

Cole-Parmer® Gel-Filled, Side-Mount pH Electrodes



Mount these versatile electrodes in any position

- Durable—ideal for your demanding applications
Sealed AgCl reference cell requires no refilling during use. Rugged PVDF housing with 1/2" NPT(M) thread withstands pressures up to 100 psi, good for measurements up to 14 pH units. Includes a 10-ft cable with BNC connector.

item	Description
 EW-27011-00	gel-filled side-mount electrode, single-junction, 10-ft cable, BNC

item	Description
 EW-27011-01	Gel-Filled Side-Mount pH Probe, SJ/PVDF/100Ohm RTD; Plug/BNC
 EW-27011-30	Gel-Filled Side-Mount pH Probe, DJ/PVDF/100hm RTD; Tinned/BNC

Cole-Parmer Insertion/Submersion ORP Probe; DJ/CPVC;/BNC



Cole-Parmer – Item # EW-27301-19

Reduce bulb damage with probe guard

- Versatile design—threads on both ends for submersion or in-line use Double-junction electrodes available; resist contamination from heavy metals, organics, or AgCl reactive compounds
-
- 6 month warranty

Specifications & Description

• Electrode Type	Double junction
• Electrode Body Material	PVC
• Min pH (pH)	14
• Max Temperature (° C)	80
• Connector	BNC
• Description	Insertion/Submersion ORP Probe; DJ/CPVC;/BNC
• Warranty	6 month warranty



MORE ABOUT THIS ITEM

In-line electrodes with probe guard operate from 23 to 176°F (-5 to 80°C) and have a PVC housing with a 3/4" NPT(M) fitting on both ends. Use as a submersion sensor. Epoxy body withstands pressures to 100 psi. Measure pH from 0 to 14. ORP electrode impedance is 100 MΩ. All electrodes measure 6-3/8"L x 1" OD.


Cole-Parmer® Submersible 3 Foot ORP Electrode




Reach further into solutions

- Water/wastewater, plating baths
- Three-foot length for easier measuring in tanks
- Sturdy design—permanently potted in sturdy ABS plastic housing
- Submersible up to cable

Submersible electrodes operate from 32 to 176°F (0 to 80°C). Submerge up to the cable. Electrodes are potted in a 3 ft L x 1-1/16" diameter ABS sheath. These electrodes are ideal for measurements in open containers such as tanks or troughs.

item	Description
<div>EW-05993-22</div>	Basic ph/mv/temperature benchtop meter, 110 vac

item	Description
<div data-bbox="126 255 256 378"></div> <div data-bbox="256 255 432 288">EW-27001-69</div>	<div data-bbox="707 286 1061 349">Submersible 3' L ORP Probe, DJ/ABS/10'/BNC</div>

Cole-Parmer Grounded Submersible pH Electrode with CPVC Housing



Cole-Parmer – Item # EW-27111-00

Ground loop interrupt eliminates electrical interference

- Fluid flow across the surface provides a cleaning action that extends the life of the electrode and improves performance
- Flat measuring surface minimizes electrode coating, scratching, and breakage
- 1 year warranty

Specifications & Description

• Electrode Type	Double junction
• Electrode Body Material	CPVC
• Max Temperature (° C)	100
• Connector	BNC
• Description	Grounded Submersible pH Electrode with CPVC Housing
• Warranty	1 year



MORE ABOUT THIS ITEM

This submersible electrode is ideal when your system calibrates outside your tank but gives incorrect readings when installed. Combat interference with a solution ground and internal battery powered ground loop interrupt. Built-in amplifier in electrode cartridge permits long cable runs.

Cole-Parmer Cap Cable Assembly, 10'L, for modular pH and ORP electrodes

Cole-Parmer – Item # EW-27113-00

Use this quick-disconnect PPS cap cable to connect the electrode adapter to your controller or transmitter. Fully submersible coax cable with BNC pH connector and six conductor tinned ends for pH solution ground and temperature compensation; 3/4" NPT(M) threads for submersion installations. Longer cable lengths available by special order.

- User-configurable self-cleaning, flat-surfaced electrodes for almost any application
- Extended Reference Path (ERP™) technology for long life and stability
- Modular plug-and-play design
- Optional plug-in electronics produce amplified or mA signals
- 1 year warranty

Specifications & Description

• Connector	BNC
• Cable Length (m)	3
• Description	Cap Cable Assembly, 10'L, for modular pH and ORP electrodes
• Warranty	1 year



KEY FEATURES

- User-configurable self-cleaning, flat-surfaced electrodes for almost any application
- Extended Reference Path (ERP™) technology for long life and stability
- Modular plug-and-play design
- Optional plug-in electronics produce amplified or mA signals
- 1 year warranty

Cole-Parmer Flow Cell, CPVC tee fitting, 1-1/2" Slip Fit

Cole-Parmer – Item # EW-27113-40

CPVC tee fitting for in-line installations; 1-1/2" diameter, schedule 80, slip x slip installation

- User-configurable self-cleaning, flat-surfaced electrodes for almost any application
- Extended Reference Path (ERP™) technology for long life and stability
- Modular plug-and-play design
- Optional plug-in electronics produce amplified or mA signals
- 1 year warranty

Specifications & Description

• Electrode Body Material	CPVC
• Connector	Slip
• Diameter (mm)	38.1
• Description	Flow Cell, CPVC tee fitting, 1-1/2" Slip Fit
• Warranty	1 year



INCLUDES

Use with cartridge style electrodes such as 27113-30

KEY FEATURES

- User-configurable self-cleaning, flat-surfaced electrodes for almost any application
- Extended Reference Path (ERP™) technology for long life and stability
- Modular plug-and-play design
- Optional plug-in electronics produce amplified or mA signals
- 1 year warranty

Water Quality Accessories



pH/Ion meter accessories are available, so you can get more out of your meter. Choose from a comprehensive selection of pH and ion meter accessories for portable, benchtop, and specialty pH and Ion meters. From probes and pH electrodes to BNC extension cables and connectors, MORE +

Oakton Premium Testers



The Best Just Got Better
SHOP NOW

- Cole-Parmer® Heavy-Duty pH/ORP Electrode Extension Cables



COLE-PARMER

- Product Type:Electrode Cable
- Cole-Parmer® 100-series Handheld Meter Electrodes



ALWAYS
IN
STOCK

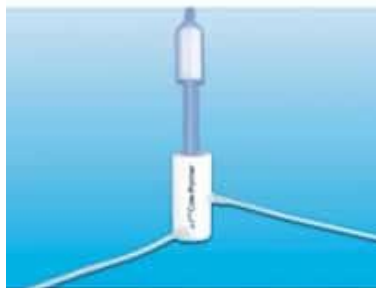
COLE-PARMER

- Product Type: Conductivity Probe
- Cole-Parmer® BNC Adapters



COLE-PARMER

- Product Type: BNC Adapter
- Cole-Parmer® Water Analysis Accessories



COLE-PARMER

- Product Type: Accessories
- Cole-Parmer Imhoff Settling Cones and Rack Kit; Three Cones, One Rack



Item #: EW-25000-28

COLE-PARMER

- Description: Imhoff Settling Cones and Rack Kit; Three Cones, One Rack

IN STOCK

- Cole-Parmer Electrode storage bottle



Item #: EW-05990-99

2.0

COLE-PARMER

- Description: Large Electrode Saver Bottle, 10 mL
- Warranty: 1 year

IN STOCK

- Eutech Instruments Water Analysis Accessories



COLE-PARMER

- Product Type:Accessories
- Cole-Parmer® pH Electrode Extension Cables



COLE-PARMER

- Product Type:Extension Cable
- Traceable® Conductivity Meter Accessories



COLE-PARMER

- Product Type:Accessories
- Cole-Parmer® Differential pH Meter Accessories



COLE-PARMER

- Product Type:Accessories
- Cole-Parmer Lab-Type ATC Probe, 100 Ohms RTD



Item #: EW-05994-40

COLE-PARMER

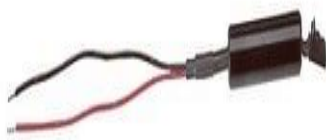
- Description:Lab-Type ATC Probe, 100 Ohms RTD
- Warranty:1 year

- Cole-Parmer® Industrial Electrode T-fittings



COLE-PARMER

- Product Type:Threaded Fitting
- Cole-Parmer® Line Powered Preamplified pH and ORP Cables



COLE-PARMER

- Product Type:Electrode Cable



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