

# Cole-Parmer® 12-mm pH/ORP 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

**REQUIRED System Components**

- 1) Electrode
- 2) Housing (see below)

Combine the standard 12-mm diameter pH and ORP electrodes with the threaded housings sold below for an economical and versatile option. **Note:** maximum pressure and temperature specifications are rated with an industrial housing—not as a stand alone electrode. Maximum pressure: 100 psi at 25°C.



**A** 05994-20    **B** 05994-22    **C** 27012-00    **D** 05994-21    **E** 27006-21

Key	Application	Maximum temperature	ATC element	ATC connector	Electrodes with 9 ft (3 m) cable		Electrodes with 25 ft (7.6 m) cable	
					Catalog number	Price	Catalog number	Price
<b>Economical pH, single-junction electrode</b>								
<b>A</b>	Clean water, general purpose	212°F (100°C)	None	None	<a href="#">GH-05994-20</a>		<a href="#">GH-27013-20</a>	
			100 Ω Pt RTD	Mini audio plug	<a href="#">GH-05994-26</a>		<a href="#">GH-27013-26</a>	
			100 Ω Pt RTD	Tinned ends	<a href="#">GH-05994-01</a>		—	
			1 kΩ Pt RTD	Spade lugs	<a href="#">GH-05654-80</a>		—	
<b>Economical pH, double-junction electrode</b>								
<b>B</b>	Dirty samples, sulfates, contaminants	230°F (110°C)	None	None	<a href="#">GH-05994-22</a>		<a href="#">GH-27013-22</a>	
			100 Ω Pt RTD	Mini audio plug	<a href="#">GH-05994-27</a>		<a href="#">GH-27013-27</a>	
			100 Ω Pt RTD	Tinned ends	<a href="#">GH-27013-00</a>		<a href="#">GH-27013-02</a>	
			1 k Ω Pt RTD	Spade lugs	<a href="#">GH-05654-82</a>		<a href="#">GH-27013-82</a>	
<b>High-accuracy pH, single-junction electrode</b>								
<b>C</b>	Temperature variation	230°F (110°C)	None	None	<a href="#">GH-27012-00</a>		<a href="#">GH-27012-10</a>	
			100 Ω Pt RTD	Mini audio plug	<a href="#">GH-27012-01</a>		<a href="#">GH-27012-11</a>	
			100 Ω Pt RTD	Tinned ends	<a href="#">GH-27012-06</a>		<a href="#">GH-27012-16</a>	
			1 kΩ Pt RTD	Spade lugs	<a href="#">GH-27012-02</a>		—	
<b>Economical ORP, single-junction electrode</b>								
<b>D</b>	Water/wastewater, plating baths	212°F (100°C)	None	None	<a href="#">GH-05994-21</a>		—	
	For solutions with cyanide				<a href="#">GH-05994-25</a>		—	
<b>Economical ORP, double-junction electrode</b>								
<b>E</b>	Water/wastewater, plating baths	230°F (110°C)	None	None	<a href="#">GH-27006-21</a>		<a href="#">GH-27013-41</a>	
	For solutions with cyanide				<a href="#">GH-27006-25</a>		<a href="#">GH-27013-45</a>	

# Cole-Parmer® Threaded In-Line Housings

## Simply insert electrode—screws into tee fitting

- Pipe tee connection is 1/2" NPT(M)
- Viton O-ring seals electrode for waterproof protection
- Housing measures 3 1/16" L x 1" dia (9.7 x 2.5 cm)

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[ColeParmer.com](http://ColeParmer.com)



Maximum temperature	Housing material	Guard material	Catalog number	Price
230°F (110°C)	PVDF	None	<a href="#">GH-05993-76</a>	
		PVDF	<a href="#">GH-05993-77</a>	
		Stainless steel	<a href="#">GH-05993-78</a>	



05993-77    05993-76