

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
Economical pH, single-junction electrode								
A	Clean water, general purpose	212°F (100°C)	None	None	GY-05994-20		GY-27013-20	
			100 Ω Pt RTD	Mini audio plug	GY-05994-26		GY-27013-26	
			100 Ω Pt RTD	Tinned ends	GY-05994-01		—	—
			1 kΩ Pt RTD	Spade lugs	GY-05654-80		—	—
Economical pH, double-junction electrode								
B	Dirty samples, sulfates, contaminants	230°F (110°C)	None	None	GY-05994-22		GY-27013-22	
			100 Ω Pt RTD	Mini audio plug	GY-05994-27		GY-27013-27	
			100 Ω Pt RTD	Tinned ends	GY-27013-00		GY-27013-02	
			1 k Ω Pt RTD	Spade lugs	GY-05654-82		GY-27013-82	
High-accuracy pH, single-junction electrode								
C	Temperature variation	230°F (110°C)	None	None	GY-27012-00		GY-27012-10	
			100 Ω Pt RTD	Mini audio plug	GY-27012-01		GY-27012-11	
			100 Ω Pt RTD	Tinned ends	GY-27012-06		GY-27012-16	
			1 kΩ Pt RTD	Spade lugs	GY-27012-02		—	—
Economical ORP, single-junction electrode								
D	Water/wastewater, plating baths	212°F (100°C)	None	None	GY-05994-21		—	—
	For solutions with cyanide				GY-05994-25		—	—
Economical ORP, double-junction electrode								
E	Water/wastewater, plating baths	230°F (110°C)	None	None	GY-27006-21		GY-27013-41	
	For solutions with cyanide				GY-27006-25		GY-27013-45	

Cole-Parmer® Threaded In-Line Housings

Simply insert electrode—screws into tee fitting

- Pipe tee connection is ½" NPT(M)
- Viton O-ring seals electrode for waterproof protection
- Housing measures 3¼" L x 1" dia (9.7 x 2.5 cm)



Maximum temperature	Housing material	Guard material	Catalog number	Price
230°F (110°C)	PVDF	None	GY-05993-76	
		PVDF	GY-05993-77	
		Stainless steel	GY-05993-78	



05993-77

05993-76