

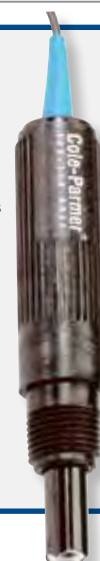
Cole-Parmer® Tuff-Tip®, Gel-Filled, Side-Mount pH Electrodes**Mount it how you need it—even sideways**

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

Specifications**Thread size:** ½" NPT(M)**Insertion depth:** 1" (2.5 cm)**Housing length:** 5" (12.7 cm)**Housing material:** PVDF**Cable:** 10 ft (3 m)**Maximum pressure:** 100 psi**Cole-Parmer®**

Gel fill solution allows sideways mounting.

Application	Junction	Maximum temperature	ATC element	ATC connector	BNC connector		Tinned ends	
					Catalog number	Price	Catalog number	Price
General purpose	Single	176°F (80°C)	None	None	GH-27011-40		GH-27011-60	
			100 Ω RTD	Tinned ends	GH-27011-42		GH-27011-62	
			1k Ω RTD	Spade lugs	GH-27011-44		GH-27011-64	
Dirty, contamination	Double	212°F (100°C)	None	None	GH-27011-50		GH-27011-66	
			100 Ω RTD	Tinned ends	GH-27011-52		GH-27011-68	
			1k Ω RTD	Spade lugs	GH-27011-54		GH-27011-70	

**Cole-Parmer® Submersible pH/ORP Electrodes****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

Specifications**Thread size:** none**Insertion depth:** up to 3 ft (0.9 m)**Housing length:** 3 ft (0.9 m)**Housing material:** ABS plastic**Cable:** 10 ft (3 m)**Maximum pressure:** n/a**Cole-Parmer®**

Application	ATC element	ATC connector	BNC connector		Tinned ends	
			Catalog number	Price	Catalog number	Price
Submersible, single-junction pH electrodes, 0 to 14 pH						
Clean water, general purpose	None	None	GH-05993-80		GH-05993-06	
	100 Ω RTD	Mini-audio plug	GH-05993-81		GH-05993-08	
	100 Ω RTD	Tinned ends	GH-05993-85		GH-05993-18	
	1 k Ω RTD	Spade lugs	GH-05993-84		GH-05993-16	
Submersible, double-junction pH electrodes, 0 to 14 pH						
Dirty samples, sulfates, contaminants	None	None	GH-27001-80		GH-05993-24	
	100 Ω RTD	Mini-audio plug	GH-27001-81		GH-05993-32	
	100 Ω RTD	Tinned ends	GH-27001-83		GH-05993-34	
	1 k Ω RTD	Spade lugs	GH-27001-84		GH-05993-36	
Submersible, double-junction ORP electrode						
Water/wastewater, plating baths	None	None	GH-27001-69		GH-05993-22	

Cole-Parmer® pH/ORP Preamplified Cables and Power Supply Adapters**No more replacing batteries**

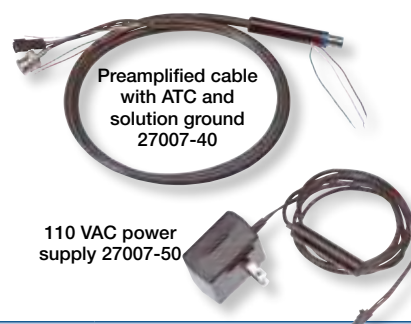
- Get better readings where electrical noise is an issue
- Recommended for pH/ORP cable runs of 30 to 500 feet
- Cables have female BNC connector on electrode side, male BNC connector on meter side

**REQUIRED System Components**

- 1) Preamplified cable
- 2) Power supply adapter

Optional

- 3) BNC to spade lug or tinned end adapter



Preamplified cable with ATC and solution ground 27007-40

110 VAC power supply adapter 27007-50

Cole-Parmer®

Electrode ATC element	25-ft length		50-ft length		100-ft length†		Power supply adapters		
	Catalog number	Price	Catalog number	Price	Catalog number	Price	Catalog number	Description	Price
None	GH-27007-20		GH-27007-22		GH-27007-24		GH-27007-50	110 VAC, 60 Hz power supply	
ATC	GH-27007-30		GH-27007-32		GH-27007-34		GH-27007-55	220 VAC, 50 Hz power supply	
ATC with solution ground	GH-27007-40		GH-27007-42		GH-27007-44		GH-27007-64	24 VDC adapter clip	
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†For lengths greater than 100 feet (30 m), contact our Application Specialists.

[GH-05994-90](#) BNC-to-spade lug adapter[GH-56105-60](#) BNC-to-tinned end adapter