



## Cole-Parmer® Twist-Lock Conductivity Cells

Get secure, leakproof readings

**NEW**

- No-leak design features two external Viton® O-rings
- Locking pins keep cell in position
- Rugged design features 12-mm sensor and 1" NPT(M) to threads

Use an optional adapter along with the twist-lock cell to convert a standard pipe tee to a flow-through sensor assembly. The optional cable provides an additional 20 feet (6 meters) of coverage.

### Specifications

<b>Housing material:</b> Ryton PPS with Viton O-rings	<b>Cable:</b> 10 ft (3 m) with 4-pin military detachable connector
<b>Sensor material:</b> 316 stainless steel and PEEK	<b>Fitting:</b> 1" NPT(M)
<b>Cell type:</b> in-line, submersible	<b>Temperature range:</b> 23 to 275°F (-5 to 135°C)
<b>Cell length:</b> 6" (15.2 cm)	<b>Maximum pressure:</b> 150 psig



Cell constant (K)	ATC element	Catalog number	Price
0.01	100 Ω Pt RTD	<a href="#">GH-19500-25</a>	
0.1		<a href="#">GH-19500-27</a>	
1		<a href="#">GH-19500-29</a>	

[GH-19500-15](#) Twist-Lock cable; 4-pin detachable connections on one end and hanked on opposite end, 20-ft (6-m) lead wire

[GH-19500-17](#) Twist-Lock adapter, 1" NPT(M) process connection

[GH-05993-74](#) Adapter collar for pipe tee

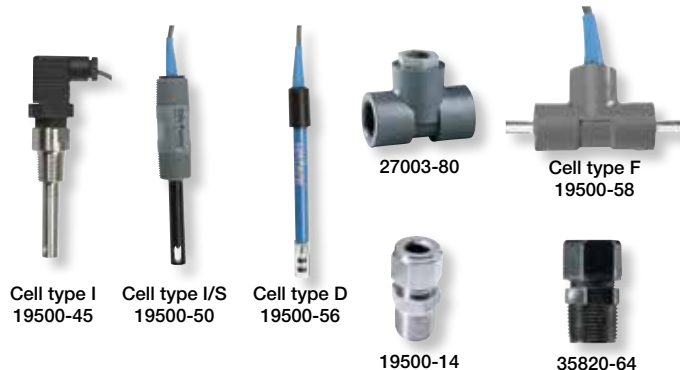
[GH-05994-61](#) Pipe tee, 1" NPT(F)

## Cole-Parmer® Conductivity/Resistivity Cells and Accessories

Replace cells economically

- 10-ft (3-m) 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). Use 19500-58 for flow-through applications up to 1 GPM at 80 psi. All cells have 10-ft (3-m) cable with stripped ends except for 35820-62, which has a 25-ft (7.6-m) cable. Use 35820-62 as a dip style sensor or combine with holder 35820-64 for in-line applications.



### In-Line Fittings

Body material	Fitting	Temperature range	Catalog number	Price
<b>1" NPT(F) T-Fittings with adapter</b>				
CPVC	1/2" NPT(F)	-5 to 80°C	<a href="#">GH-27003-84</a>	
PVDF	1/2" NPT(F)	-5 to 110°C	<a href="#">GH-27003-86</a>	
CPVC	3/4" NPT(F)	-5 to 80°C	<a href="#">GH-27003-80</a>	
PVDF	3/4" NPT(F)	-5 to 110°C	<a href="#">GH-27003-82</a>	
<b>In-line fitting for dip style (12-mm dia) cells</b>				
316 SS	1/2" NPT(M)	-5 to 135°C	<a href="#">GH-19500-14</a>	
Nylon	3/4" NPT(M)	-5 to 80°C	<a href="#">GH-35820-64</a>	

### 100 Ω Pt RTD Cells

Body material	Electrode material	Cell type†	Fitting	Temperature range	Catalog number	Price
<b>Conductivity/resistivity 2-electrode cell, K = 0.01 (up to 20 μS/cm)</b>						
SS	SS	I	1/2" NPT(M)	-5 to 135°C	<a href="#">GH-19500-43</a>	
<b>Conductivity 2-electrode cell, K = 0.1 (up to 200 μS/cm)</b>						
SS	SS	I	1/2" NPT(M)	-5 to 135°C	<a href="#">GH-19500-44</a>	
Glass	2 Pt bands	D	None††	-5 to 100°C	<a href="#">GH-19500-52</a>	
SS	SS	D	None††	-5 to 100°C	<a href="#">GH-19500-06</a>	
Epoxy	Graphite	I/S	3/4" NPT(M)	-5 to 80°C	<a href="#">GH-35820-21</a>	
<b>Conductivity 2-electrode cell, K = 1.0 (up to 5 mS/cm)</b>						
SS	SS	I	1/2" NPT(M)	-5 to 135°C	<a href="#">GH-19500-45</a>	
Epoxy	Graphite	I/S	3/4" NPT(M)	-5 to 80°C	<a href="#">GH-19500-50</a>	
PVDF	Graphite‡	I/S	3/4" NPT(M)	-5 to 110°C	<a href="#">GH-19500-54</a>	
Glass	2 Pt bands	D	None††	-5 to 100°C	<a href="#">GH-19500-56</a>	
Glass	Graphite	F	1/4" ID tube	0 to 80°C	<a href="#">GH-19500-58</a>	
SS	Titanium	D	None††	-5 to 130°C	<a href="#">GH-19500-08</a>	
Epoxy	Graphite	D	None††	-5 to 80°C	<a href="#">GH-35820-62</a>	
<b>Conductivity 2-electrode cell, K = 10.0 (greater than 1 mS/cm)</b>						
CPVC/glass	2 Pt bands	I/S	3/4" NPT(M)	-5 to 80°C	<a href="#">GH-19500-46</a>	
PVDF/glass	2 Pt bands	I/S	3/4" NPT(M)	-5 to 110°C	<a href="#">GH-19500-47</a>	
Epoxy	Graphite	I/S	3/4" NPT(M)	-5 to 80°C	<a href="#">GH-35820-22</a>	

### 10 KΩ Thermistor Conductivity Cells

Body material	Electrode material	Cell type†	Fitting	Temperature range	Catalog number	Price
<b>Conductivity cell, K = 0.01 (up to 20 μS/cm)</b>						
SS	SS	I	1/2" NPT (M)	-5 to 135°C	<a href="#">GH-19500-63</a>	
<b>Conductivity cells, K = 0.1 cm (up to 200 μS/cm)</b>						
SS	SS	I	1/2" NPT (M)	-5 to 135°C	<a href="#">GH-19500-64</a>	
Glass	2 Pt bands	D	None††	-5 to 100°C	<a href="#">GH-19500-22</a>	
<b>Conductivity cells, K = 1.0 (up to 5 mS/cm)</b>						
SS	SS	I	1/2" NPT (F)	-5 to 135°C	<a href="#">GH-19500-65</a>	
CPVC	Graphite	I	1/2" NPT (M)	-5 to 80°C	<a href="#">GH-19500-00</a>	
PVDF	Graphite‡	I	1/2" NPT (M)	-5 to 110°C	<a href="#">GH-19500-10</a>	
Glass	2 Pt bands	D	None††	-5 to 100°C	<a href="#">GH-19500-20</a>	
Glass	2 Pt bands	F	1/4" ID tube	-5 to 100°C	<a href="#">GH-19500-30</a>	
<b>Conductivity cells, K = 10.0 (greater than 1 mS/cm)</b>						
CPVC	2 Pt bands	I	3/4" NPT (M)	-5 to 80°C	<a href="#">GH-19500-66</a>	
PVDF	2 Pt bands	I	3/4" NPT (M)	-5 to 110°C	<a href="#">GH-19500-67</a>	

†F = Flow through, I = In-line, D = Dip style, S = Submersible  
 ‡Epoxy is used to seal cell tip. Check epoxy for chemical compatibility.  
 ††For use with dip-style fittings.