

Signet Conductivity/Resistivity Electrode Specification Matrix



	2818	2819	2820	2821	2822
Cell Constant	0.01		0.1	1.0	10.0
Operating Range	0.055 μ S to 100 μ S (18.2 M Ω to 10 K Ω)		1 μ S to 1000 μ S (1 M Ω to 1 K Ω)	10 μ S to 10,000 μ S	100 μ S to 200,000 μ S
Compatible Sensor Electronics	2850				
Temperature Element	PT1000		PT1000	PT1000	PT1000
Operating Temperature/Pressure	13.8 bar (200 psi) max., 120 °C (248 °F) max. (with optional 316 SS fitting)				6.9 bar (100 psi) @ 95 °C (203 °F)
Process Connection	3/4 in. NPT				
Wetted Materials	Body	316 SS or Titanium, PTFE			CPVC
	O-rings	EPR (EPDM)			
	Process Connection	Poly Pro (standard) , Stainless steel NPT, or Sanitary Tri-Clamp			316 SS
Compatible Signet Instruments	8850, 8860 Direct connection, 8900 via 2850, 9900 direct using conductivity module or 2850				
Applications Usage	R.O., ultrapure water, resistivity measurements	R.O., deionized and distilled water	R.O., distilled & drinking water, cooling tower water	R.O., cooling tower water, waste water, salinity, brackish water, sea water	
Standards and Approvals	RoHS compliant, China RoHS				





2823	2839	2840	2841	2842
20.0	0.01	0.1	1.0	10.0
200 μ S to 400,000 μ S	0.055 μ S to 100 μ S (18.2 M Ω to 10 K Ω)	1 μ S to 1000 μ S	10 μ S to 10,000 μ S	100 μ S to 200,000 μ S
2850				
PT1000	PT1000	PT1000	PT1000	PT1000
6.9 bar (100 psi) @ 150 °C (302 °F)	-10 °C to 85 °C @ 6.9 bar (14 °F to 185 °F @ 100 psi)			
3/4 in. NPT or ISO 7/1-R 3/4				
316 SS/PEEK™	316 SS/PEEK™			
EPR (EPDM)	FPM (2841 & 2842 only)			
316 SS	PEEK™			
8850, 8860, 8900, 9900				
R.O., salinity, brackish water, sea water, acids/bases, cleaners other concentrated chemicals	R.O., ultrapure water, resistivity measurements	R.O., deionized and distilled water	R.O., distilled water, condensate, drinking water, cooling tower water	R.O., cooling tower water, wastewater, salinity, brackish water, sea water
RoHS compliant, China RoHS				