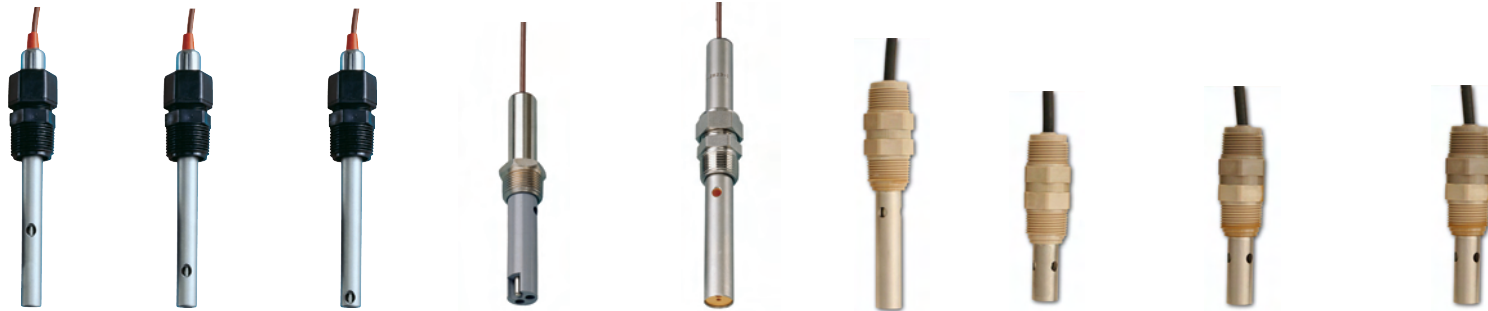


# Signet Conductivity/Resistivity Electrode Specification Matrix

This section provides the reader with an easy to read overview of the various products that make up our analytical measurement family. For further details, see the individual catalog pages for each product.



	2819	2820	2821	2822	2823	2839	2840	2841	2842
Cell constant	0.01	0.1	1.0	10.0	20.0	0.01	0.1	1.0	10.0
Operating range	0.055 $\mu$ S to 100 $\mu$ S (18.3 M $\Omega$ to 10 K $\Omega$ )	1 $\mu$ S to 1000 $\mu$ S (1 M $\Omega$ to 1 K $\Omega$ )	10 $\mu$ S to 10,000 $\mu$ S	100 $\mu$ S to 200,000 $\mu$ S	200 $\mu$ S to 400,000 $\mu$ S	0.010 $\mu$ S to 100 $\mu$ S (100 M $\Omega$ to 10 K $\Omega$ )	1 $\mu$ S to 100 $\mu$ S	10 $\mu$ S to 10,000 $\mu$ S	100 $\mu$ S to 200,000 $\mu$ S
Compatible Sensor Electronics	2850								
Temperature Element	PT-1000	PT-1000	PT-1000	PT-1000	PT-1000	PT-1000	PT-1000	PT-1000	PT-1000
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)	6.9 bar (100 psi) @ 150°C (302°F)	-10°C to 85°C @ 6.9 bar (14°F to 185°F @ 100 psi)			
Process Connection	3/4 in. NPT					3/4 in. NPT or ISO 7/1-R 3/4			
Wetted Materials	body	316SS or titanium			CPVC	316SS	316SS		
	O-rings	EDPM					FPM		
	Other	PTFE			316SS	PTFE	CPVC, PEEK™		
Compatible Signet Instruments	8850, 8860, 5800, 2850/8900, 5900 (for .10 and .20 cell)								
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	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
Standards and Approvals	CE, Manufactured under ISO 9001 and ISO 14001								



# Signet Analytical Instrument Specification Matrix

This section provides the reader with an easy to read overview of the various products that make up our Analytical Product family. For further details, see the individual catalog pages for each product.



	5700	8750	5800CR	5900	8850	8860	8250	8350	8450	8900
<b>Description</b>	pH/ORP Monitor	pH/ORP Transmitter	Cond./Resist. Monitor	Salinity Monitor	Cond./Resist. Transmitter	Dual-channel Cond./Resist. Controller	Level Transmitter	Temperature Transmitter	Pressure Transmitter	Multi-Channel, Multi-Parameter Controller
<b>Modular Components</b>	No									Yes
<b>Max. Total Sensor Inputs</b>	1				2				6	
<b>Mounting Options</b>	Panel	Panel, Wall, Pipe, Tank, Integral	Panel	Panel, Wall, Pipe, Tank, Integral	Panel	Panel, Wall, Pipe, Tank, Integral				Panel
<b>Display</b>	Analog dial and LCD	LCD	Analog dial and LCD		LCD					LCD or Vacuum Fluorescent
<b>Analog Output Types</b>	(1) 4 to 20 mA, non-isolated	(2) 4 to 20 mA, isolated	(1) 4 to 20 mA, non-isolated	(2) 4 to 20 mA, isolated	(3) 4 to 20 mA, isolated	(2) 4 to 20 mA, isolated	(2) 4 to 20 mA, isolated	(2) 4 to 20 mA, isolated	(4) 4 to 20 mA or voltage*	
<b>Max. Total Relays</b>	2				4		2			8*
<b>Derived Measurements</b>	None				% Rejection, Difference, Ratio		None			Sum, Difference, % Recovery, % Reject, % Passage, Ratio, Power (BTU)*
<b>Languages</b>	English									English, French, German, Spanish, Italian, and Portuguese
<b>Operating Temperature (°C)</b>	-10°C to 55°C (14°F to 131°F)	-10°C to 70°C (14°F to 158°F)	-10°C to 55°C (14°F to 131°F)	-10°C to 70°C (14°F to 158°F)	-10°C to 55°C (14°F to 131°F)	-10°C to 70°C (14°F to 158°F)				LCD: -10°C to 55°C (14°F to 131°F) VFD: -10°C to 50°C (14°F to 122°F)
<b>Power Requirements</b>	12 to 24 VDC or VAC	12 to 24 VDC	12 to 24 VDC or VAC	12 to 24 VDC	100 to 240 VAC 12 to 24 VDC	12 to 24 VDC				110 to 240 VAC 12 to 24 VDC 50/60 Hz
<b>Standards, Approvals, and Ratings</b>	CE, UL, NEMA 4X/IP65 (front)									

\*See individual product page for more information.



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