



Conductivity Sensors

Signet 2819

Signet 2820

Signet 2821

- Controlled surface
- Reversible 3/4 in. NPT process connection for in-line and tank usage
- Easy to install
- Integral PT-1000 Platinum RTD

The SIGNET 2819/2820/2821 Conductivity Sensors offer high performance and reliability. Controlled surface finish and integral temperature compensation devices ensure accurate conductivity measurement. Available in three cell constants, these sensors offer a measurement range from 0.055 to 10,000 μS when used with SIGNET conductivity instrumentation.

Compatibility:

5800CR Conductivity/Resistivity Monitor



5800CR



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Specifications

Operating Range	
0.01 Cell	10 K Ω to 18.3 M Ω (0.055 to 100 μS) (max. recommended cable length 25 ft. in range from 10 Mega-Ohm to 18.3 Mega-Ohm)
0.1 Cell	1 to 1,000 μS
1.0 Cell	10 to 10,000 μS
Temperature	212°F max (opt. 316 SS fitting: 3-2820.392, 248°F)
Pressure	100 psi max (opt. 316 SS fitting: 3-2820.392, 200 psi)
Pipe Size Range	3/4 in. and larger
Materials	
Body	316 Stainless Steel
Insulator	Teflon®
O-rings	EPR
Fitting	3/4 in. MNPT Polypropylene (reversible for submersion)
Optional	1/2 in. MNPT 316 Stainless Steel: 3-2820.392
Cable Type	3 conductor, foil shield, with drain wire
Cable Length	15 ft. (100 ft. max.)

Ordering Information

ITEM	CELL CONSTANT	TEMP. COMP.	RANGE (μS)
3-2819-1	Cond. Cell K=0.01	PT-1000	0.055 to 100 μS (10Kilo-Ohm - 18.3Mega-Ohm)
3-2820-1	Cond. Cell K=0.1	PT-1000	1 to 1000 μS
3-2821-1	Cond. Cell K=1.0	PT-1000	10 to 10,000 μS

