



# Conductivity/Resistivity Monitor Signet 5800CR

- Backlit LCD
- Wide operating range
- Programmable temperature compensation and TDS conversion factors
- Temperature display in °C and °F
- Display units:  $\mu$ S, mS, Kilo-Ohm, Mega-Ohm, ppm (TDS)

Wide range and ease of use allow keypad configuration of the SIGNET 5800CR Conductivity/Resistivity monitor to your process requirement. Automatic (and programmable) temperature compensation ensures accuracy. The vibration resistant air-core meter offers excellent visibility, coupled with the accuracy of a backlit liquid crystal display.

## Application

- Water Quality Monitoring
- Reverse Osmosis
- Demineralizer Regeneration and Rinse
- Cooling Tower & Boiler Protection
- Chemical Concentration
- Rinse Tanks
- Desalination
- Artificial Saltwater Production
- Aquatic Animal Life Support Systems
- Aquaculture
- Environmental Studies



## Specifications

<b>Operating Range</b>	
Conductance	0.055 to 400,000 $\mu$ S
Resistance	1 0 k $\Omega$ to 1 8.3 M $\Omega$ 10.055 to 1 00 pS)
Temperature	PT-1000; 32 to 212°F
<b>Power Requirements</b>	12 to 24 VAC or 12 to 24 VDC, unregulated, 50-60 Hz, 10 W Max.
<b>Display</b>	
Analog	Slide-in dials 0 to 2, 4, 6, 8, 10, or 100
Digital	Backlit 2X16 character alphanumeric LCD
<b>Current Output</b>	4 to 20 mA, non-isolated, internally powered
Loop Impedance	350. $\Omega$ max. @ 12VDC, 950 Q max. @ 24.VDC
Accuracy	+0 1%
<b>Alarm Contacts</b>	
Two SPDT relays	5A @ 30 VDC, 5A @ 125 VAC, or 3A @ 250 VAC max. Hi/Lo/Pulse programmable with adjustable hysteresis
<b>Temperature Comp.</b>	Programmable 0 to 10%/°C
<b>TDS Conversion Factor</b>	Programmable 0.00 to 3.00 IIS/ppm (default 2.00)
<b>Operating Conditions</b>	
Operating temperature	4 to 131 °F
Relative humidity	0 to 95%, non-condensing
Accuracy	+2% of reading
<b>Materials</b>	
Enclosure	ABS plastic, NEMA 4X/IP65
Panel and case gasket	Neoprene
Window	Hard-coated polycarbonate
<b>Immunity</b>	EN50082- 1
<b>Emissions</b>	EN55011
<b>Safety</b>	EN61010-1
<b>Quality Standards</b>	CD, CSA, UL

## Ordering Information

ITEM	DESCRIPTION
3-5800CR	5800CR Conductivity/Resistivity Monitor
3-5000.395	Splashproof Back Cover Kit
3-5000.598	Mounting Bracket
3-5000.399	Retrofit Adapter Kit
3-9000.392	Liquid Tight Connector Kit

