

CDS-1000 SERIES

Conductivity Sensor





PRODUCT DATA SHEET



CDS-1000 series sensors are industrial in-line conductivity sensors used for continuous monitoring of surface water, ground water and industrial effluent water. Conductivity sensors are available for different conductivity and temperature ranges and for different fluid properties.

FEATURES

- Excellent compatibility with ATS-X1000-B and ATS-CD1000 controller
- Fast response with good repeatability
- PT1000 RTD, the temperature element used in the CDS-1000 series sensors is highly accurate and linear throughout the range

Model	CDS-1001		CDS-1002		CDS-1003		CDS-1004	
								
Measuring Range	0.055µS - 1µS		1µS - 200µS		10µS - 10,000µS		100µS - 200mS	
Maximum Operating Temperature	CDS-1001-L	CDS-1001-H	CDS-1002-L	CDS-1002-H	CDS-1003-L	CDS-1003-H	CDS-1004-L	CDS-1004-H
	60.0°C	130.0°C	60.0 °C	130.0 °C	60.0°C	130.0 °C	60.0 °C	130.0 °C
Wetted Materials	PTFE, Viton, SS316L	PTFE, Viton, SS316L	Epoxy, PVC, Viton, SS316L	Epoxy, PEEK, Viton, SS316L	Epoxy, PVC, Viton, Titanium	Epoxy, PEEK, Viton, Titanium	Epoxy, PVC, Viton, Titanium	Epoxy, PEEK, Viton, Titanium
Maximum Operating Pressure	6 Bar		6 Bar		6 Bar		6 Bar	
Electrical Connections	Tinned Wire Connection		Tinned Wire Connection		Tinned Wire Connection		Tinned Wire Connection	
Mechanical Connections	3/4" BSPP		3/4" BSPP		3/4" BSPP		3/4" BSPP	
Standard Cable Length¹	5 meters		5 meters		5 meters		5 meters	
Shelf Life	Indefinite		Indefinite		Indefinite		Indefinite	
Applications	Pure water WFI EDI water		RO water Drinking water Boiler Feed water Cooling tower makeup water		RO feed water Tap water Boiler blowdown Cooling tower blowdown		Sea water Brine	

¹ Extended wire option also available on user request. Please refer to model selection guide for further information.

