

CAP-300 Series – Reliable Coolant Level Sensor

- ▶ Durable sealed design – IP67, IP6K9K
- ▶ Developed for the most rugged coolant applications
- ▶ Tolerates coolant coating
- ▶ Small size – 2" (51 mm) long

The CAP-300 capacitive level sensor is one of our most durable and reliable point level sensors. Compatible with coolants, the CAP-300 is the ideal OEM solution for power generation equipment, off-highway vehicles and cell phone tower generators and can be mounted in any position. With nearly zero maintenance, the sensor is small in size, tolerates coating and will remain reliable even in the standby mode. Compatible with temperatures up to 257°F (125°C) the capacitive based sensor is suited for the most challenging environments. Available with a variety of mounting types and electrical connections, the CAP-300 is the ideal solution for coolant monitoring.

Specifications

Mountings	1/4" NPT, 1/2"-20 per SAE J1926-3, M12x1.0-8g, M12x1.5 ISO 6149-3
Materials	
Housing	Brass
O-Ring	EPDM
Probe Tip	Versaplast™
Operating Pressure	Up to 100 PSIG
Operating Temperature	
Common	-40°F to +257°F (-40°C to +125°C)
Cable Versions	-4°F to +158°F (-20°C to +70°C)
Supply Voltage	9 to 32 VDC
Current Consumption	15mA max. (no load)
Output	Open collector, sinking or sourcing output, 9-32 VDC, 30mA max.
Electrical Termination	3-pin Deutsch, 18 AWG Type SXL flying leads or 18 AWG PVC Cable
Sensing Element Length	1.02" (25.9mm) Max. (including thread length)
Approvals	CE, IP67, RoHS, IP6K9K

How To Order

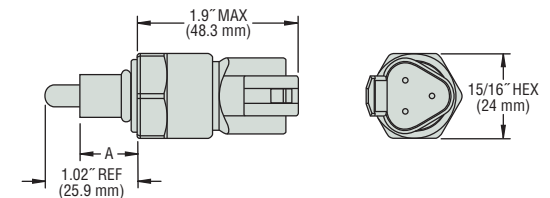
Select a Part Number based on mounting type, connection and actuation condition.

Actuation Condition	Electrical Connection	Thread Sizes			
		1/4"-18 NPT (male)	1/2"-20 per SAE J1926-3	M12x1.5 Stud End Per ISO6149-3	M12x1.0-8g
Wet Sink	Integral 3-pin Deutsch® DT04-3P Connector	240640	240700	240800	240900
	12" 18 AWG SXL Flying Leads	240660	240720	240820	240920
	36" PVC Cable	240680	240740	240840	240940
Dry Sink	Integral 3-pin Deutsch® DT04-3P Connector	240650	240710	240810	240910
	12" 18 AWG SXL Flying Leads	240670	240730	240830	240930
	36" PVC Cable	240690	240750	240850	240950
Wet Source	Integral 3-pin Deutsch® DT04-3P Connector	240645	240705	240805	240905
	12" 18 AWG SXL Flying Leads	240665	240725	240825	240925
	36" PVC Cable	240685	240745	240845	240945
Dry Source	Integral 3-pin Deutsch® DT04-3P Connector	240655	240715	240815	240915
	12" 18 AWG SXL Flying Leads	240675	240735	240835	240935
	36" PVC Cable	240695	240755	240855	240955

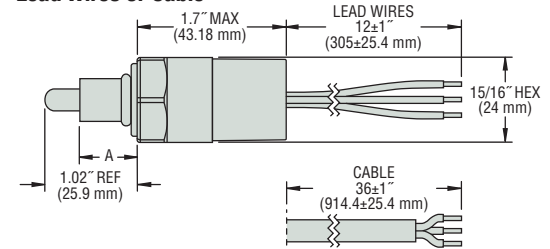


Dimensions

Deutsch® Connector



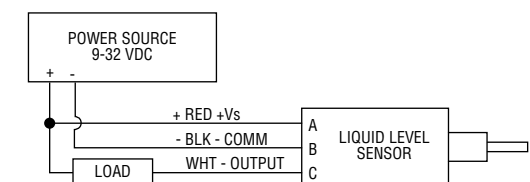
Lead Wires or Cable



Thread Sizes	A DIM. REF.		EPDM O-Ring
	1/2"-20	0.43" (10.9 mm)	3-905
	M12x1-8g	0.53" (13.5 mm)	2-110
	M12x1.5	0.6" (15.2 mm)	9.3 x 2.2 mm
	1/4"-18NPT	0.62" (15.7 mm)	None

Wiring Diagram

Sinking



Sourcing

