

Oil / Water Separator Level Alarm



Reliable interface monitoring of oil/water separators, sump pits and containments for pump control and alarm

Over 30 years of Arjay's field proven HF capacitance technology has been applied to the 9820/9830-OWS oil water separator alarms. The sensing probe continuously monitors for oil to control pumps, operate valves, or activate alarms.

- capacitance technology does not foul or require cleaning
- no moving parts
- remote alarm unit mounts safely away from pipe

9820 | 9830-OWS

The 9820/9830-OWS sensing probe monitors the capacitance field around the active probe tip. As the volume of separated oil increases in the separator or is drawn down toward the probe tip, the probe capacitance changes. This change is used to activate the relay for alarm interface and control.

■ Features and Benefits

- no moving parts
- remote electronics via standard twisted pair
- available with Intrinsic Safety Barrier for Hazardous Locations
- high corrosion resistant Teflon and stainless steel wetted parts
- capacitance technology responds to all oil types
- HF capacitance technology does not require routine cleaning
- easy calibration and control set-up

■ Technical Specifications - Control Unit

Operating Temperature	-20°C to 60°C
Power Input	24 vdc or 110 vac or 220 vac
Alarm Relay	5 amp, DPDT, dry
Standards	UL, CSA
Enclosure	Type 4X, IP65
Optional	Lights and Buzzer

■ Technical Specifications - Sensor

Process Temperature	-60°C to 260°C
Ambient Temperature (probe head)	-60°C to 50°C
Approval	CSA Class 1, Zone 1 and 2, Div 1 and 2, Groups A,B,C,D (also available with an Intrinsic Barrier on the 9830-OWS) ABSA-CRN #0F07450.2



All calibration, control relays and power wiring is available at the main control unit. This can be safely mounted up to 1 km away from the sump.



The Model 9820-OWS version provides the electronics mounted directly to the probe for economical and compact installations.



The unique PMC circuit design, exclusive to Arjay, immediately converts the sensor signal to a frequency pulse for furtherance to the controller (9830 version).

Arjay SS-06



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