

2114-OWS

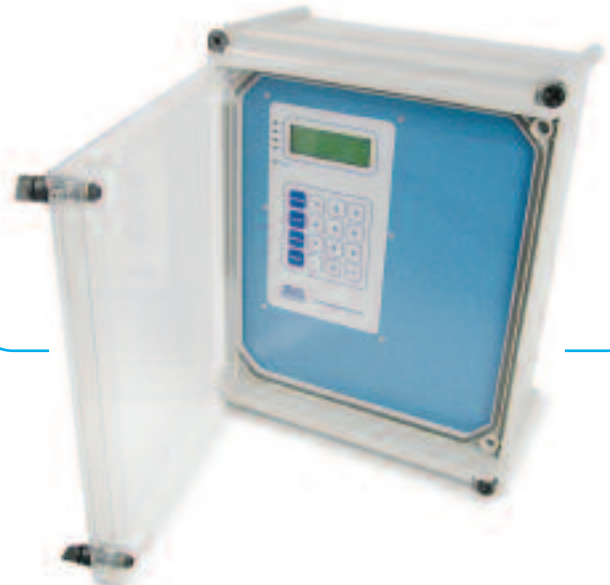
Oil/Water Separator Level Monitor



Continuous interface monitoring of static level oil/water separators for oil level indication, control and alarm

Over 30 years of Arjay's field proven HF capacitance technology has been applied to the 2114-OWS oil/water separator monitors. 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 tank



ARJAY

2114-OWS

The 2114-OWS sensing probe monitors the capacitance field between the probe and its concentric shield. As the volume of separated oil increases in the separator, the probe capacitance changes. This proportional change is used to indicate the separated oil level and provide relay control.

■ Features and Benefits

- no moving parts
- remote electronics via standard twisted pair
- one controller can monitor up to two probe inputs
- 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

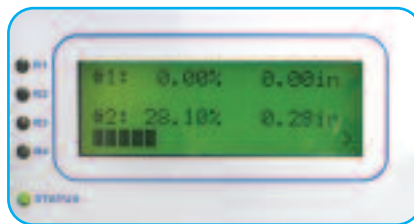
Operating Temperature	0°C to 50°C
Power Input	24 vdc or 110 vac or 220 vac
Analog Output	4-20 mA proportional to oil level
Interface	RS-485 Modbus available
Display	backlit display of oil level
Alarm Relays	4 x 10 amp, SPDT, dry
Standards	UL, CSA, CE
Enclosure	Type 4X, IP65

■ Technical Specifications - Probe

Process Temperature	-60°C to 260°C
Ambient Temperature (probe head)	-20°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 option) ABSA-CRN #OF07450.2



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 separator.



The four line backlit display provides menu driven set-up functions and a display of up to two probe inputs



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



Arjay Engineering Ltd.
2851 Brighton Road
Oakville, Ontario
Canada L6H 6C9

tel
fax
N. America
email
web

++1 905-829-2418
++1 905-829-4701
1-800-387-9487
arjay@arjayeng.com
www.arjayeng.com

