



Product Overview #AR-OV-09

## Level Controls



- **Model 9820**    **Probe mounted Switch**
- **Model 9830**    **Remote mounted Switch**
- **Model 9080**    **Probe mounted Transmitter**
- **Series 2000**    **Remote mounted Controller**

Capacitance level probes for liquids and solids are available with relays, 4-20 mA outputs, RS-485 communication, and user friendly displays.

## Open Channel Flow

### ■ Model 2114-OCF

Pre-programmed weir and flume calculations are available on this unit with flow, level, and totalization relays. The display provides flow rate and totalization.



## Plugged Chute Detection

### ■ Model 9830-PCD

The in-line non-intrusive sensor measures the dielectric change as solids displace air during a plugged condition. This alerts equipment and operators before extensive process damage occurs.



## Area Leak Alarms

### ■ Model 9830-LPS

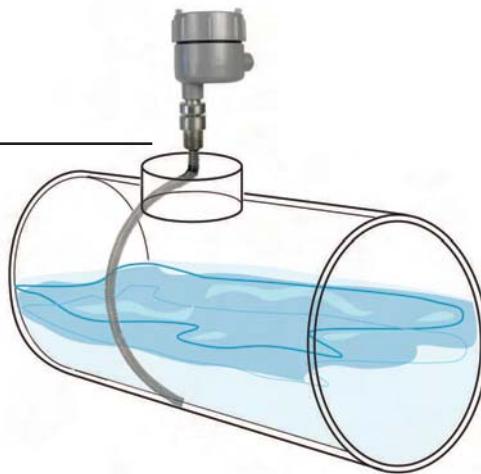
Up to 3 sensor pucks can be monitored for a common alarm at the remote alarm box. The sensors can be placed around machinery, tanks, in electrical vaults, sub-floors... anywhere a liquid leak might occur.



## Tank Leak Alarms

### ■ Model 9830-ILA

A flexible sensing cable wraps the belly or end of a double-walled tank to measure liquid intrusion into the interstitial space. The alarm unit can be mounted safely away from the tank.

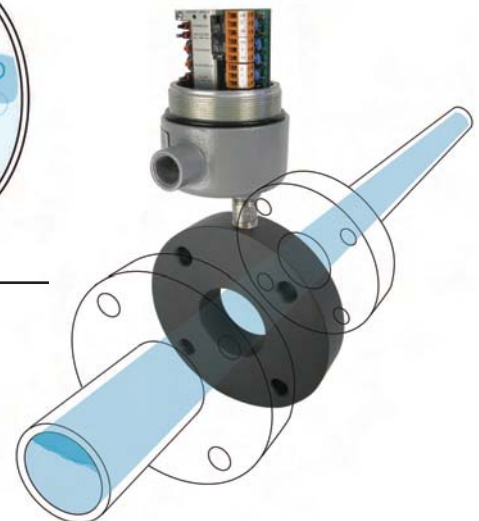


## Dry Pump + Phase Detection

### ■ Model 9820-DPM (integral electronics)

### ■ Model 9830-DPM (remote electronics)

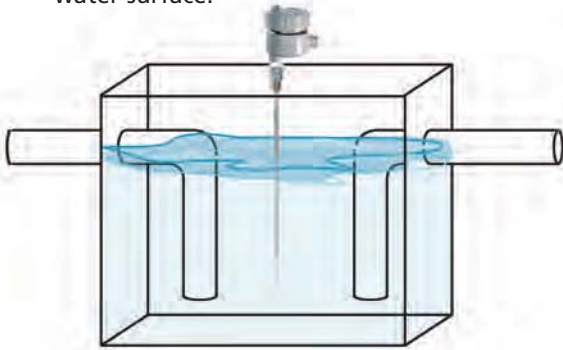
The in-line non-intrusive sensor measures the dielectric change as the liquid changes from one dielectric phase to another (ie. water to oil) or if there is a change in the presence or absence of liquid in the pipe.



## Floating Oil Spill Alarm

### ■ Model 9830-HCF

Ideal for sumps and containments, the floating sensor rides the changing water level and will alarm when oil accumulates on the water surface.



## Oil Thickness Monitor

### ■ Model 2114-HCF

Used where the accumulation of oil is desirable but is to be monitored for alarms or controlled pump out. The floating sensor follows the changing water levels in a non-static vessel.



## Oil/Water Separator Monitors

### ■ Model 9820-OWS Probe mounted Switch

### ■ Model 9830-OWS Remote mounted Switch

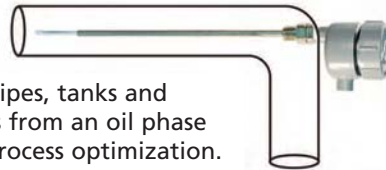
### ■ Model 2114-OWS Continuous Monitor

Probes and monitors are available to alert personnel when the Oil Water Separator has accumulated oil. Simple alarms to continuous monitors for pump control and valve operation are standard.

## Oil/Water % Concentration

### ■ Model 2114-OWM

The capacitance probe monitors the dielectric change in pipes, tanks and oil/water knock-out systems as the oil emulsion transitions from an oil phase to a water phase. Multiple probes can profile a tank for process optimization.



## ppm Oil in Water Monitors

### ■ FluoroCheck II bench top unit

This benchtop model uses a fluorescence technique to readily correlate to laboratory methods such as EPA 1664 and ISO 9377-2. The standard measurement range is 0-100 ppm petroleum oil (TPH) in water.



### ■ HydroSense 2410 on-line industrial wastewater and produced water

The unique non-contacting flow through design is ideal for industrial wastewater and produced water applications. The fluorescence approach is selective to petroleum hydrocarbons for process and environmental monitoring.

### ■ HydroSense 3410 and 3420

#### on-line clean or filtered water

The closed loop design uses a fluorescence or light scatter technique for oils in clean or filtered water. The 3410 is selective to petroleum oils. The 3420 responds to any oil type. These are typically used on cooling water and bilge separators.



## Related Arjay Products

## Arjay Product Overview AR-OV-09

### ■ EC-GOLD Gas Monitors

The EC-Gold is ideal for toxic gas monitoring in commercial and light industrial applications such as parking garages and warehouses. An analog 4-20mA and RS-485 communication is standard.



### ■ EC-GOLD Dual

This complete stand alone monitor offers a LCD display, alarm relays, buzzer and analog output. Up to 2 on-board sensors plus remote inputs are available. Ideal for maintenance and municipal vehicle storage.



### ■ Specialty Control Panels and Instrumentation

Let Arjay help you design and build a panel or control system specific to your needs. Our technical engineering staff and UL Approved assembly facility can assist with any facet of your project.



### ■ Water Cut Monitors

Capacitance sensors with temperature compensation reliably measure water cuts from 0 to 25% water in oil. These instruments are used for process monitoring and custody transfer applications.



One or more of the following design and safety certifications is available on every product. We can work with you to achieve any local regulations that may apply.



Our products are manufactured under the ISO 9001-2000 quality standard as audited by:

