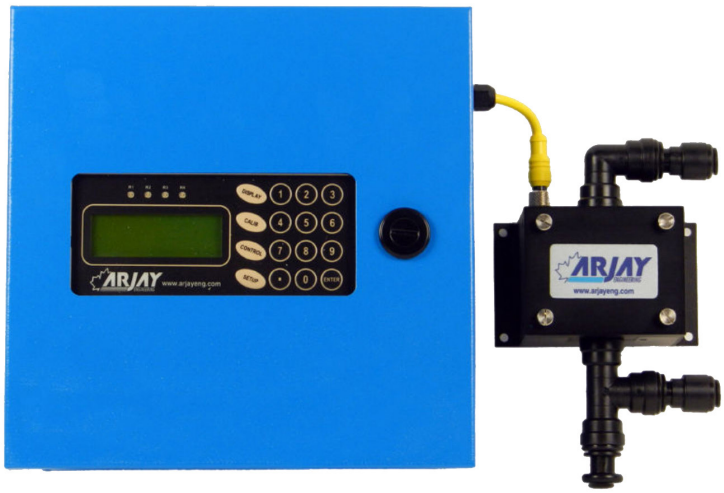
ARJAY ENGINEERING

PRODUCT OVERVIEW

ppm OIL IN WATER MONITORS

FluoroCheck Benchtop Unit

This benchtop model uses a fluorescence technique that readily correlates 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 4410-OCM / 4420-OCM

This closed loop design monitors clean or filtered water. The 4420-OCM responds to any oil type using a light scatter technique. The 4410-OCM uses a fluorescence technique to selectively target petroleum hydrocarbons in the water. These models are typically used on cooling water, RO filteration, de-salination and oil/water separation systems.

HydroSense 2410 / 4410-LMP

This 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.

LEVEL & CAPACITANCE MONITORS

Models are available with integral electronics or remoted controllers up to 1 km away using simple two conductor wiring.

Audio/visual alarms and a multitude of control interfaces are available.

General Purpose or Hazardous Location Certifications offered on most sensors.

Many enclosure options including painted steel, 304 or 316 SS and polycarbonate.

A wide variety of sensor styles with industrial grade material construction.

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.

*All Arjay products are customizable to fit your needs

PRODUCT OVERVIEW

Level Controls

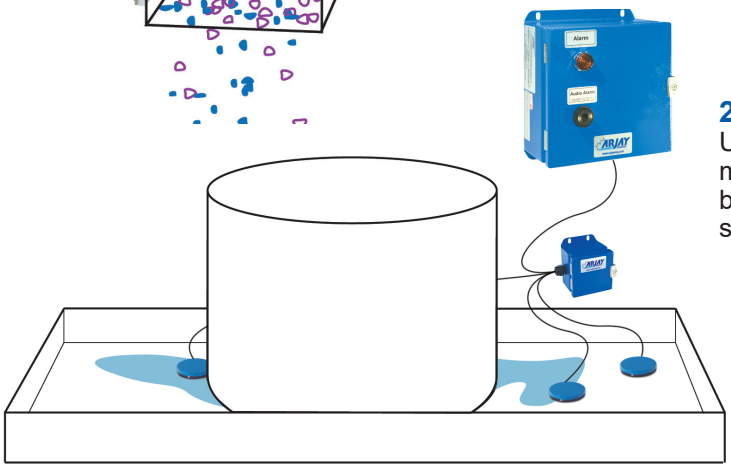
Capacitance level probes for liquids and solids with relays, 4-20mA outputs, RS-485 communication, and user friendly displays. The 2800 series are available as probe or remote mounted switches, transmitters and full display monitors.

2852-DPM Dry Pump & Liquid Phase Monitor

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

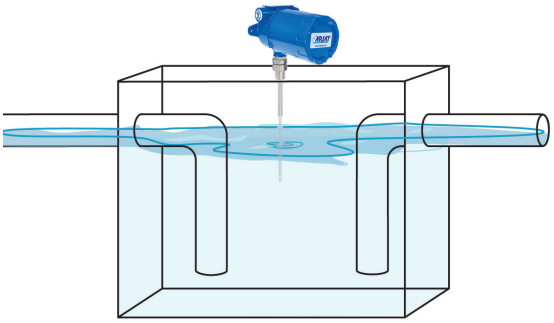
2852-PCD Plugged Chute Detection

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.



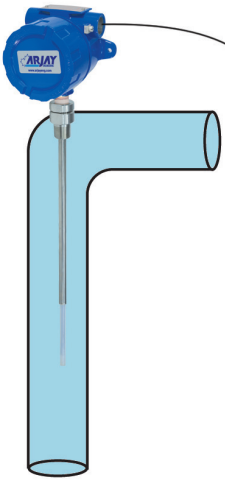
2852-LPS Area Leak Alarm

Up to three 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.



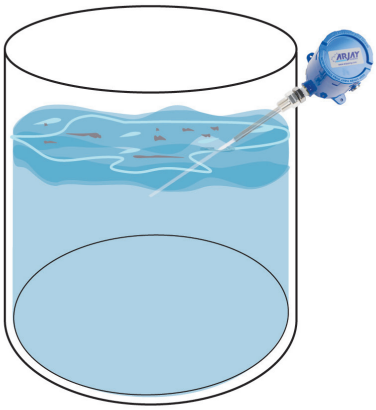
Oil/Water Separator Monitors

Probes and monitors are available to alert personnel when the oil water separator has accumulated oil. Simple alarms and continous monitors for pump control and valve operation are standard. Available with a probe mounted or remote mounted controller.



4100-OWM Oil/Water % Concentration

The capacitance probe monitors the dielectric changes 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.

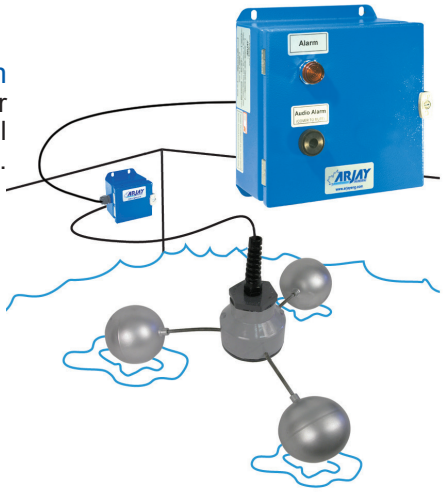


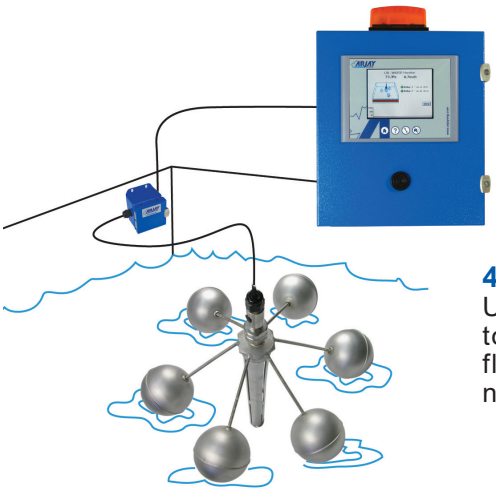
2880-OWI / 2852-OWI Interface Monitor

The probe monitors emulsion rag layers and interfaces of oil and water applications. A proportional 4-20mA output of the interface/emulsion is provided.

2852-HCF Floating Oil Spill Alarm

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

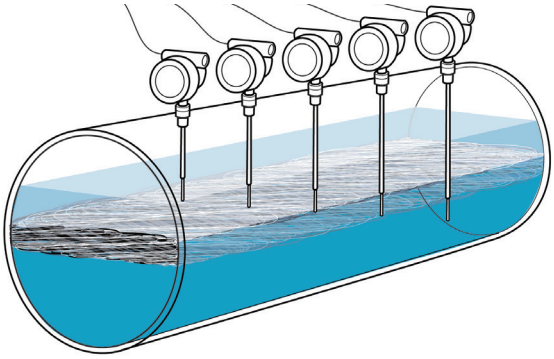




4100-HCF Oil Thickness Monitor

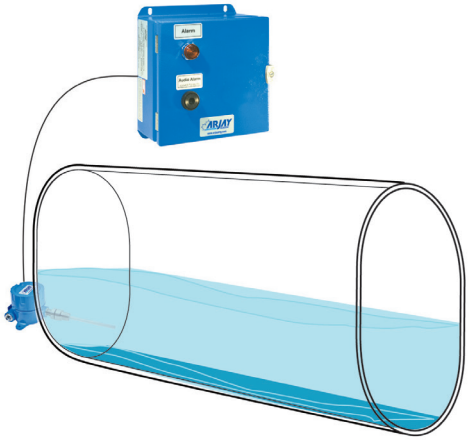
Used where the accumulation of oil is desirable and is to be monitored for alarms or controlled pump out. The floating sensor follows the changing water levels in a non-static vessel.

PRODUCT OVERVIEW



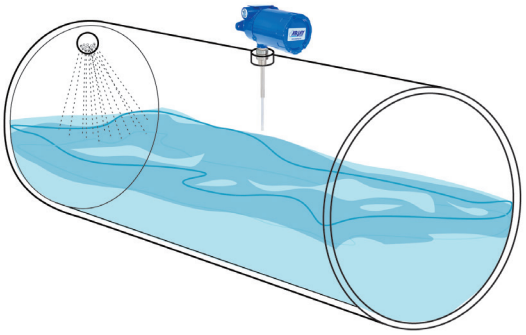
4100-PRO Profiler

Monitoring the dielectric of the water in oil emulsion at various vertical points in a FWKO or treater, Arjay capacitance probes are an ideal approach to tank profiling.



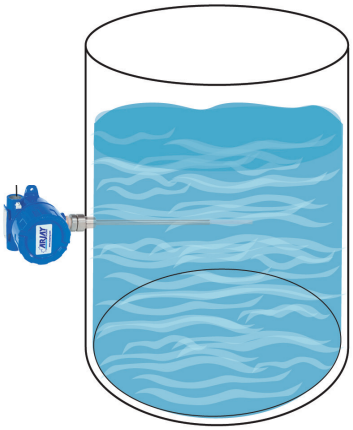
2852-IFA Liquid Interface Alarm

The probe tip is submerged and tuned to one liquid. When a different liquid, such as water condensation in a fuel tank crosses over the probe, the unit will alarm.



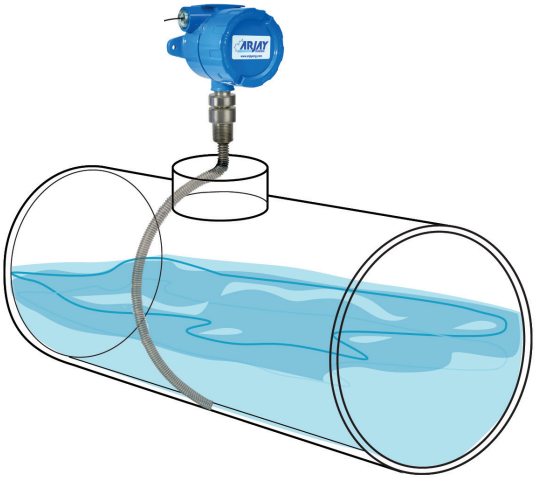
2880-FCM / 2852-FCM Foam Control Monitor

The sensing probe monitors the gaseous phase of a separator / coalescer / compressor train. Any foam that travels into the normally vaporous state will indicate an alarm condition.



4100-CAP / 2852-CAP Capacitance Monitor

The capacitance probe monitors the dielectric changes of liquids and solids. This can be tagged to concentration, blending and moisture content.



2852-ILA Tank Leak Alarm

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.

RELATED ARJAY PRODUCTS

EC-GOLD Gas Monitor

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 & 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.

Arjay Engineering is a designer and manufacturer of environmental and process control systems. Offering a unique and completely customized line of products used for a variety of jobs, including but not limited to:

Oil in Water Monitoring ■ Level Controls ■ Gas Detection

Our products serve a variety of industries and applications through custom design capabilities, engineering services, and control panel assembly. We maintain several industry certifications including Hazardous Location Approval and Certifications from CSA, UL, ATEX, IECEX, ABS and IMO.