

Density Measurement Float

Whether for a new or existing installation, the Density Measurement Float easily installs on the OPW Magnetostrictive Probe. Combining industry-leading water, product and density measurement, the SiteSentinel® family Density Measurement Float uses a single magnetostrictive in-tank probe assembly.

The sensor continuously measures the density of the fuel in the tank, providing a measure of even the smallest changes in product quality within the API density range. Fuel density reports can be displayed real-time on the SiteSentinel® family of tank gauges or exported to an external display. The density readings can be configured to either nominal or temperature-corrected density.

Density Measurement Float Features

Part of the
SiteSentinel®
family of products



Precise

Continuously measures the average density of the fuel in the tank, providing precise density measurements of $\pm 0.04\%$



Easy Installation

Density and level measurement capabilities combined on one I.S. channel simplify installation requirements



Easy Integration

As with every OPW tank gauge component, the density float works seamlessly with the SiteSentinel® family of products



Cost-Effective

Easily retrofitted to new and existing in-tank SiteSentinel® 924B level probes, providing an economical solution to ensure continuous product quality.

- ◆ Provides real-time density information
- ◆ Floats available for gasoline and diesel
- ◆ Applicable in petroleum products designed for both underground (UST) and above ground (AST) rigid probe applications
- ◆ Trouble-free design
- ◆ Small float profile enables more space on probe rod to be utilized
- ◆ Displays density in kg/m³, g/cc or API
- ◆ Fuel density reports can be displayed in real-time on SiteSentinel® family of controllers or exported to an external display
- ◆ Density readings can be configured to either nominal or temperature-corrected density
- ◆ Easy to retrofit to existing in-tank level probes (SiteSentinel® 924B Probe)
- ◆ Density and level measurement combined on one (1) I.S. module position connection without the need for a dedicated input channel or additional wiring

NOTE: See OPW Fuel Management Systems' website at www.opwglobal.com for detailed product literature, manuals and sales representative contact information for your area.

Additional Features

- ◆ Fits through the same 2.0 in (5 cm) opening in the tank that's used by the probe
- ◆ Economical solution to ensure continuous product quality
- ◆ Four (4) probes (with density float) per I.S. Channel (SiteSentinel® Integra 100™, SiteSentinel® Integra 500™, SiteSentinel® Nano® and SiteSentinel® iSite™)
- ◆ Dedicated density probes can support three (3) density floats per probe to ensure product quality – not available with level measurement
- ◆ Provides precise, real-time data about product quality by continuously measuring fuel density

Specifications

Material: Nitrophyl®, Delrin® and stainless-steel spring

Dimensions: 2 in (diameter) x 8 in [5.1 cm (diameter) x 20.3 cm]

Precision: ±0.04%

Density Range: 0.6 - 1.0 g/cc

Suggested Location: 6 inches (15.2 cm) from the bottom of the probe. NOTE: Use two (2) set screws at the top of the float to hold it in position

Number of Floats per SiteSentinel® Integra 100™, Integra 500™, SiteSentinel® Nano® or iSite™ System: One per probe or multi-float dedicated probe equipped with three (3) floats