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

- **Precise**: Continuously measures the average density of the fuel in the tank, providing precise density measurements of ±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