

## Pultruded Semi Cylinder Housing Stiffens Liquid Level Measuring Gauge



Liquid levels, contaminants, bottom sampling, and phase separation of stored liquids are easily taken and measured with this simple gauge. Used for checking various petrochemical fuels and water tanks, the gauge accurately measures liquid level and contents. Opening the bottom valve permits the stored liquid to fill the thermoplastic tube to the level of the tank. Valve is closed and sample is contained in the clear tube for easy visual inspection of liquid level with the encased measurement scale. Water or other contaminants in the bottom of fuel tanks are collected and easily measured at the same time. Bottom samples can be removed for lab analysis and gauge contents are returned to the storage tank after inspection.

The best optically clear thermoplastic tube for years of corrosion, abrasion and impact resistance is a flexible composition. To provide stiffness for the flexible tube and permit its sampling function in 6 to 20 feet deep tanks, a fiberglass reinforced, isopolyester pultrusion houses the gauge. Glasforms molds the housing to close dimensions permitting the tube to snap fit into the 210 degree semi-cylinder shape (just over 180 degrees). Fiberglass mat is incorporated on the surfaces for transverse strength, while a high fiber content of unidirectional roving maximizes stiffness. A polyester surfacing veil is molded on the outer surfaces, adding to the corrosion resistance of the isopolyester resin. A bright yellow pigment is added to the resin matrix along with a UV stabilizer for high visibility and years of service.

**Process:** Pultrusion

**Materials:** Continuous strand mat, roving, polyester surface veil and isopolyester resin

**Properties:** 4.5 x 106 Flexural Modulus, Corrosion and UV Resistant

**Size:** 1.125" ID x .085" Wall Thickness, Lengths from 6 to 20 feet.

*For additional information write or call:*

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