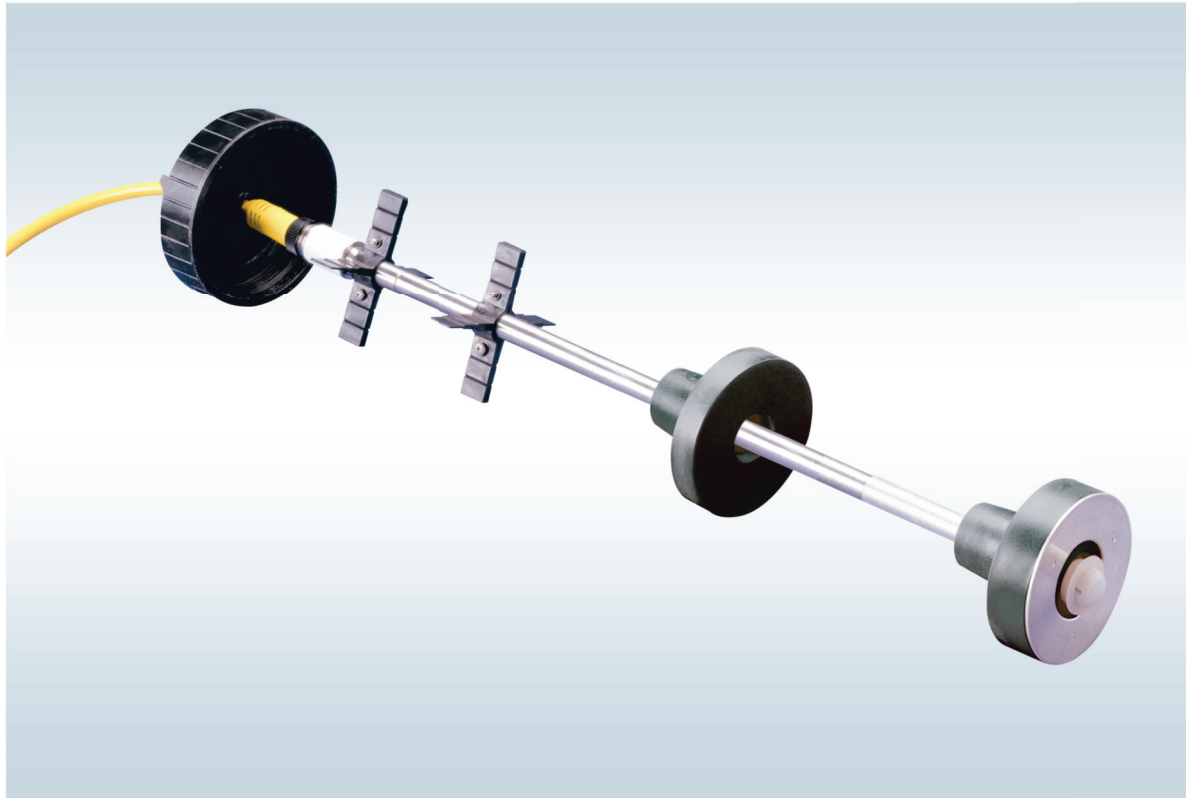


Magnetostrictive Tank Gauging Probe

Part Number: MTG-4
MTG-6
MTG-8
MTG-10



Description

The magnetostrictive tank-gauging (MTG) probe utilizes magnetostrictive technology to provide users with the same level of reliability, durability and cost-effectiveness they expect with all OMNTEC products. The MTG probe used with OMNTEC's tank gauging controllers monitors product levels, water levels and temperature in both underground and aboveground tank applications.

The MTG probe monitors the following conditions: high-product level, low-product level and high-water level. To provide the greatest flexibility of use, the probe's shaft is stainless steel and the floats are available in a variety of materials and sizes. Other major benefits of OMNTEC's MTG probe is that it comes in a number of lengths and in a flexible-shaft option. The number in the probe part number indicates the shaft length and corresponds to tank diameter.

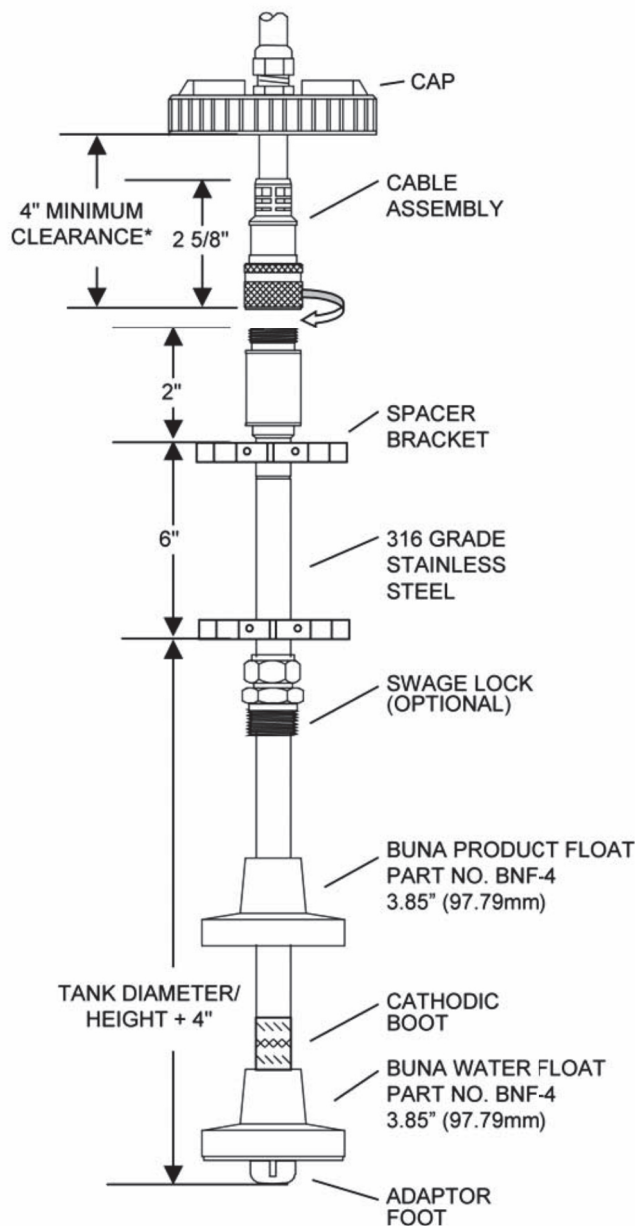
The MTG probe is ruggedly constructed to provide reliable and cost-effective performance.

Features

- Patented reflection technique for reliability
- Durable tube-in-tube construction
- High signal-to-noise ratio
- Fast, accurate update
- Float options
- Custom lengths
- Intrinsically safe
- Cost-effective
- Flexible shaft (optional)

Magnetostrictive Tank Gauging Probe

Part No. MTG-*



Specifications			
Enclosure (probe):	NEMA 4, IP68		
Input Power:	28 VDC +/-10%		
Probe Length:	Up to 24 feet (7.3m) <i>Consult factory for lengths over 24 feet.</i>		
Accuracy:	0.010 inches (0.2540mm) inventory mode 0.001 inches (0.0254mm) leak-detection mode		
Linearity	+/- 0.01% of full scale or +/- 0.010 inches (0.254mm), whichever is greater		
Repeatability:	+/- 0.001% of full scale or +/- 0.00025 inches (.00635mm), whichever is greater		
Temperature Measurement:	6 temperature-sensing devices		
Temperature Accuracy:	+/- 0.9° F from 14° F to +185° F +/- 0.5° C from -10° C to +85° C		
Temperature Measurement Resolution:	+/- 0.01° F (.00556° C)		
Temperature Sensing Range:	-40° to 150° F (-40° C to 66° C)		
Operating Temperature Range:	-40° to 160° F (-40° C to 71° C)		
Probe Output:	Digital over 2 wires		
Distance to Monitor:	Probe cable must be EC-2 (Belden #8761) up to 1,000 feet (305m). Consult factory for lengths over 1,000 feet.		
Pressure Rating:	Up to 500 psi (35Kg/cm2)(float-dependent)		
Floats:	Specs based on 4-inch standard		
Compatible Controllers:	OEL8000 & OEL8000II PROTEUS Series: OEL8000III-B, OEL8000III-K, OEL8000III-X		
MTG includes:	4-inch Buna N float kit 4-inch cap Splice kit Cable assembly		
Weight:	19 lb. (8.62 kg) <i>(approximated based on packaged 10ft. probe)</i>		
Accessories:	SL-34	Swage lock (probe-head isolation for chemical applications)	
	SSF-4	3.85-inch (97.79mm)	stainless-steel float kit
	SSF-2	1.83-inch (46.48mm)	stainless-steel float kit
	BNF-4	3.85-inch (97.79mm)	buna N float kit
	BNF-2	1.87-inch (47.60mm)	buna N float kit
	UF-3	2.85-Inch (72.39mm)	urethane float kit

Specifications subject to change without notice, verify with manufacturer.



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