

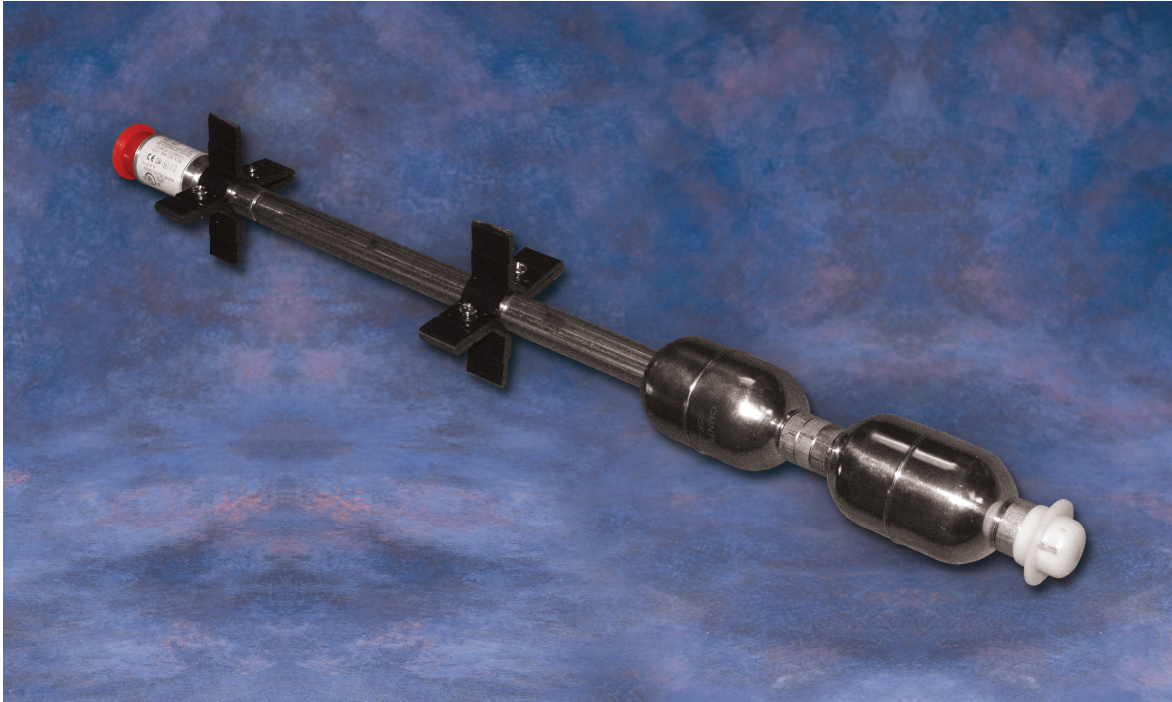


# Magnetostrictive Tank Gauging Probe With 2" Stainless Steel Floats

**Part Number:**

**Probe:**  
MTG-4  
MTG-6  
MTG-8  
MTG-10

**Floats:**  
SSF-2



## 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 the OEL8000II 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.

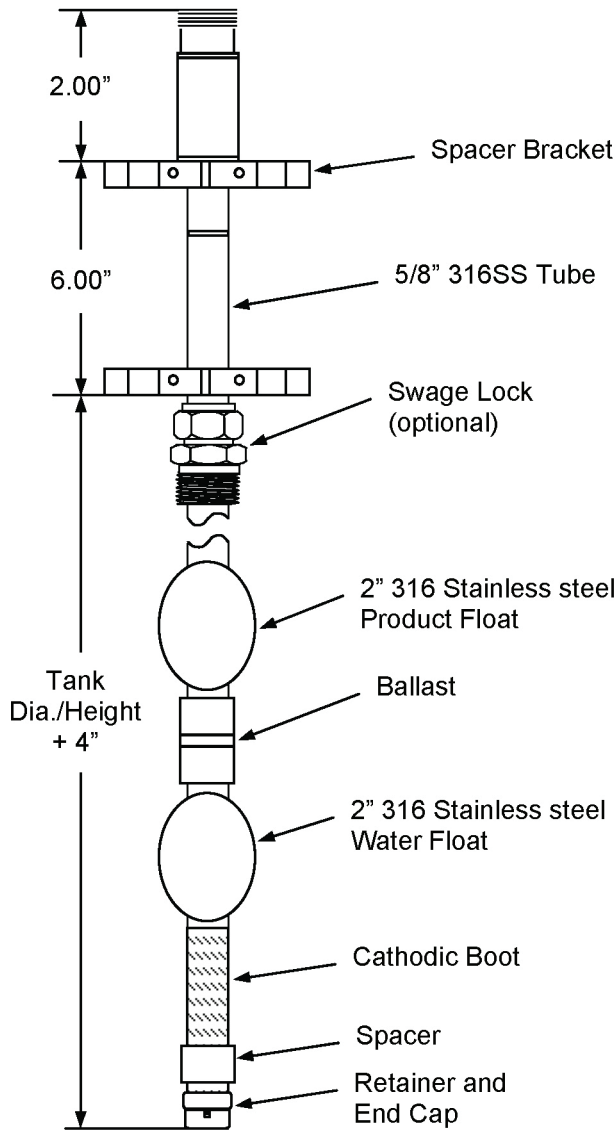
## Features

- 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)
- UL-listed, CUL-listed, CE-listed

# Magnetostrictive Tank Gauging Probe

## With 2" Stainless Steel Floats

### Part No. MTG-\* (probe) SSF-2 (floats)



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

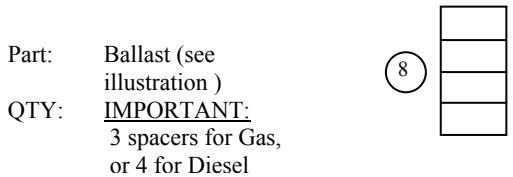
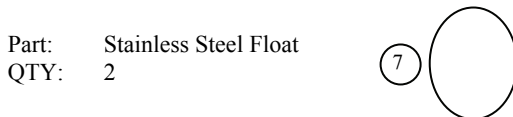
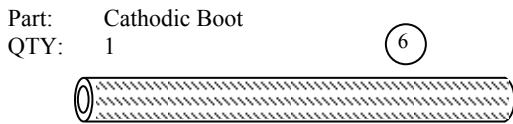
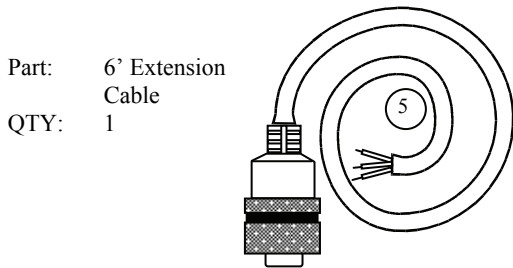
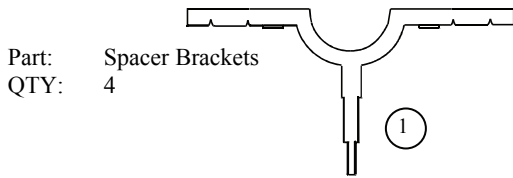
*Specifications subject to change without notice, verify with manufacturer.*

**OMNTEC**® 

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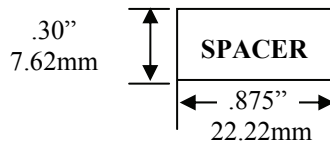
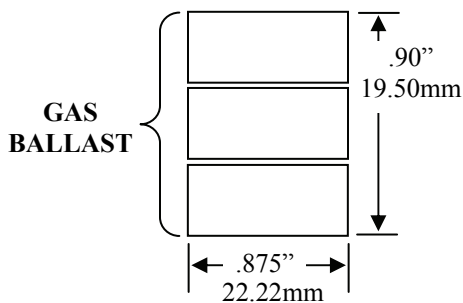
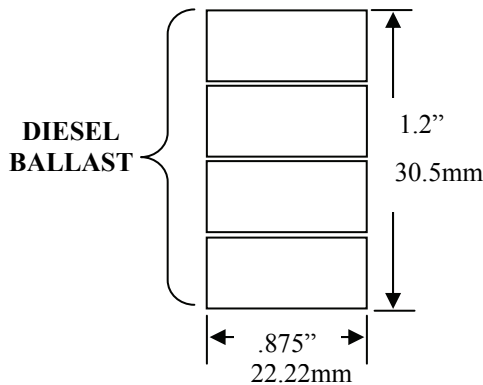
# MTG-STK-\* Stick Probe Pre-Assembly Drawing for SSF-2

## MTG-STK-\* STICK PROBE PARTS



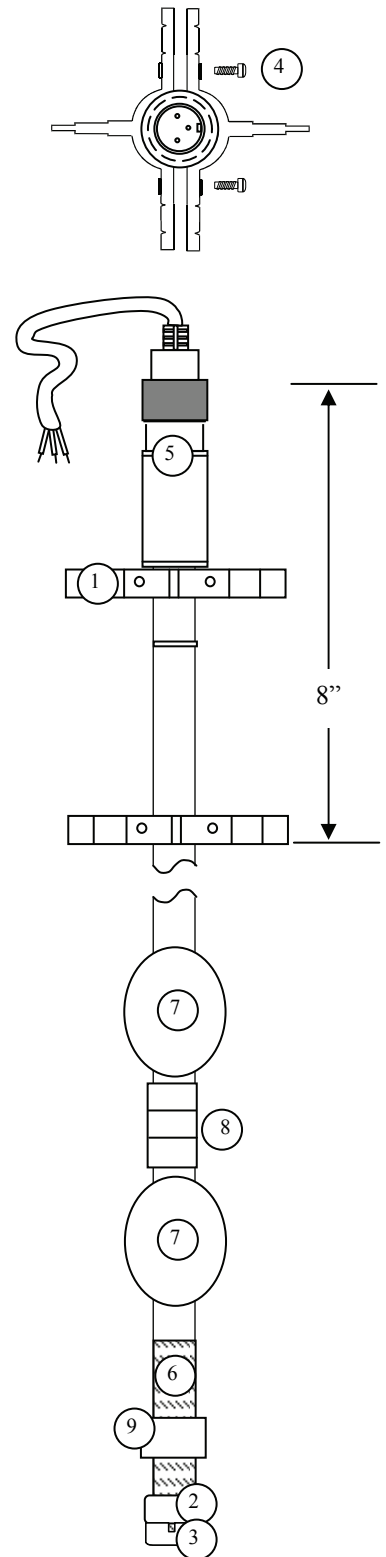
## Installation Instructions

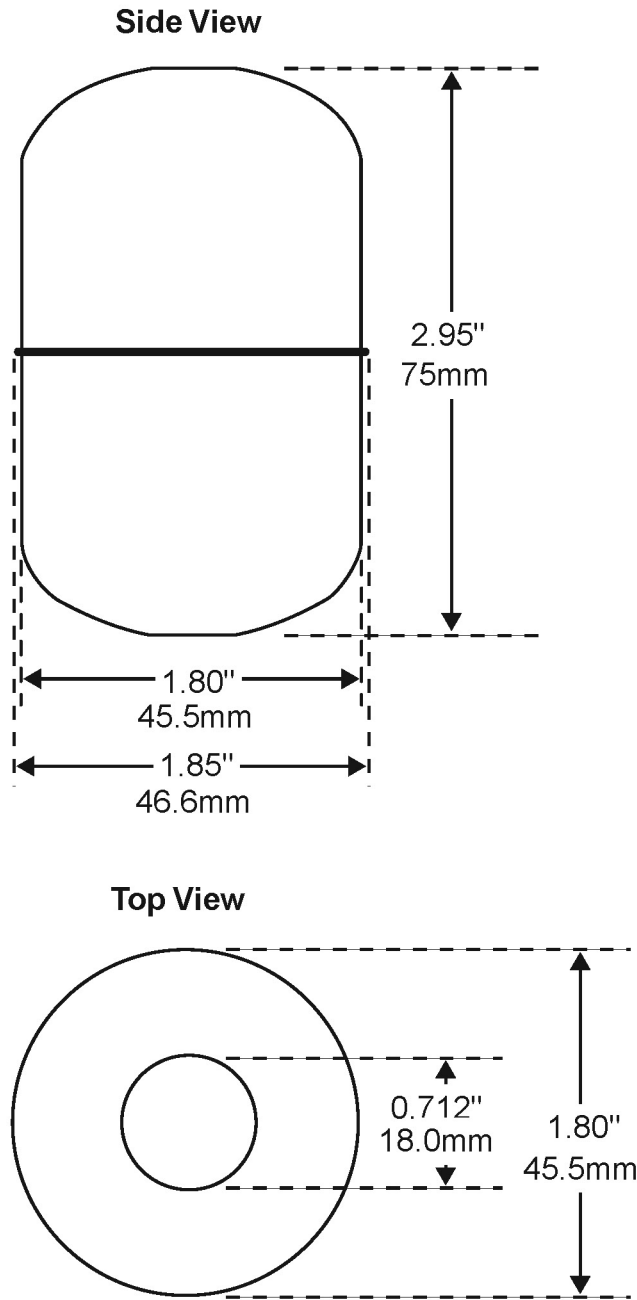
1. Install spacer brackets as shown on right. Lower spacer should be placed 8" from the top of the probe. The upper spacer should be placed as high as possible, just below the head of the probe.
2. Install one of the 2"SS floats
3. Install ballast (3 for Gas, 4 for Diesel)
4. Install the other 2" SS float
5. Install one single spacer (Part 9)
6. Install Cathodic boot (Part 6)
7. Install foot adaptor (Part 2)
8. Install Foot (Part 3)



For **SSF-2**  
2" 316 stainless steel floats

## TOP VIEW





Material 316ss  
SP GR .63



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