

# MCG 1600SFI

Smart Flash Infrared Radar Gauge with Conar Antenna



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## MCG 1600SFI Smart Flash Infrared Radar Gauge Conar Antenna

### Features

- +/- 0.5 mm Accuracy
- Frequency Modulated Continuous Waveform Technology
- Designed for Stilling Well Applications
- Gauge Sampling Hatch Version Available



### Conar Antenna

The Conar antenna for the MCG 1600SFI Smart Flash Infrared Radar Gauge is designed for applications in which stilling wells are required to provide for a more accurate level reading. The conar antenna works exceptionally well for clean petroleum based products. The conar antenna is available in various sizes.

The conar antenna incorporates advanced waveguide technology which allows for a smaller, compact and lightweight design. This allows for easy cleanup and maintenance. L&J offers a version of our conar antenna specifically designed for mounting to an existing sampling gauge well. Once installed the MCG 1600SFI can easily be setup via the local display or an optional MCG 1350 Ground Level Display via the MCG 2150 Handheld Infrared Calibrator.

L&J's patented "5-Step Setup Wizard" will have your radar gauge up and running in under 5 minutes without the use of any external devices or laptops.

### MCG 1600SFI Specifications

#### Measuring Principle:

FMCW Radar

#### Range:

0-75 feet (23m) standard.  
Up to 180 feet (55m) optional

#### Accuracy:

+/- .5 mm

#### Resolution:

.1 mm

#### Radar Power Consumption:

Less than 1mw (0dBm)

#### Electronics Temperature:

-40° F to 150° F (-40° C to +65° C)

#### Product Temperature:

-148° F to 482° F (-100° C to 250° C)

#### Local Display:

2 line x16 Character LCD

#### Lightning Protection:

Comprehensive Surge  
Protection Standard

#### Max. Pressure:

150PSIG (or 300PSIG optional)

#### Construction:

Aluminum  
Stainless Steel

#### Mounting:

2" NPT Standard  
Flanged Connection Available (See Ordering Guide)

#### Weight:

8 lbs. (Aluminum)