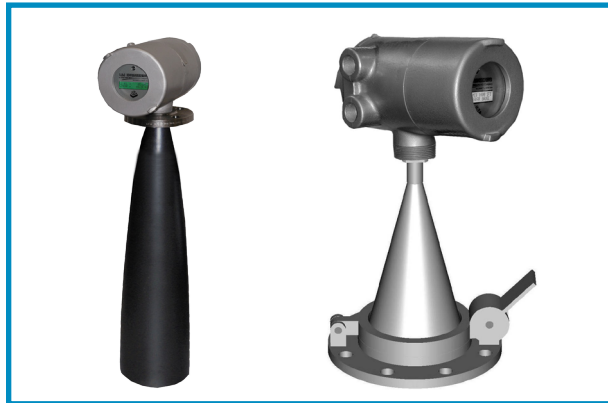


MCG 1600SFI Radar Gauge with Stilling Well Antenna



FEATURES

+/- 0.5 mm Accuracy

Frequency Modulated Continuous Waveform Technology

Designed for Stilling Well Applications

Perfect for Use on LPG/LNG Applications

Gauge Well Mounting Version Available

Stilling Well Antenna

The stilling well 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 stilling well antenna is available in 4", 6", 8", 10" and 12" sizes. The stilling well antenna works exceptionally well for clean petroleum based products as well as LPG/LNG applications. The stilling well antenna can be used in conjunction with a full-port ball valve on high-pressure LPG/LNG applications. L&J can provide assistance in designing or specifying the stilling well for optimal radar gauge performance. For installations in which the sampling gauge well must be used for mounting of the MCG 1600SFI, L&J offers a version of our stilling well antenna specifically designed for mounting on the 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.

SPECIFICATIONS

| | |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Measuring Principle: | FCMW Radar |
| Range: | 0-75 feet (23m) standard. Up to 180 feet (55m) optional |
| Accuracy: | +/- 0.5 mm |
| Resolution: | .1 mm |
| Radar Power: | 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 |
| Optional Remote Display: | Ground Level Display (2 line x16 LCD) |
| Communications: | L&J "Tankway" (standard) Up to 128 MCG field devices Other Mfgs. Protocols |
| I/O Option: | Two 4-20mA Outputs Two 4-20mA Inputs |
| Temp Option: | Single or dual RTD Temp Avg. Probe (CU/PT) |
| Control Options: | 2 points, 4 contacts |
| Power: | 24VDC, 48VDC, 48VAC, 65VAC 110VAC, 220VAC, 240VAC Other voltages available |
| Lightning Protection: | Comprehensive Surge Protection Standard |
| Max. Pressure: | 150PSIG (or 300PSIG optional) |
| Construction: | Aluminum Stainless Steel |
| Mounting: | 2" NPT Standard, Others Optional including DIN and JIS |
| Weight: | 8 lbs. (Aluminum) |
| Safety Approvals: | Explosion Proof/ *Intrinsically Safe Class I, Div. 1, Group B, C & D UL, CUL Approved ABS Approved CE/ATEX Approved II 1/2 G EEx d IIB T6, T5 |
| Antennas: | Parabolic, Cone, Stilling Well |

*requires MCG 2350 accessory for temperature inputs.

All designs subject to change. Certified dimensions and specifications available upon request.