

MCG 1600SFI Radar Gauge with Parabolic Antenna



FEATURES

+/- 0.5 mm Accuracy

Frequency Modulated Continuous Waveform Technology

Excellent for "Dirty" Applications such as Asphalt and for "Clean" Petroleum Based Products

Can be Used on Floating Roof Tanks

Parabolic Antenna

The parabolic antenna for the MCG 1600SFI Smart Flash Infrared Radar Gauge is designed primarily for fixed roof applications. It is excellent for "dirty" products such as asphalt and products with similar properties. The design of the parabolic antenna allows for a very focused and accurate signal which gives it the ability to work in these "dirty" products. The parabolic antenna also works exceptionally well for clean petroleum based products. On most fixed roof tanks with an existing opening on the top of the tank the MCG 1600SFI Radar Gauge with parabolic antenna can be mounted without having to take the tank out of service. The MCG 1600SFI with parabolic antenna can also be used on tanks with floating roofs. This is accomplished by mounting the MCG 1600SFI at the top of the tank and measuring the distance from the top of the tank to a target fixed on the top of the floating roof. 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:	FMCW Radar
Range:	0-75 feet (23m) standard. Up to 180 feet (55m) optional
Accuracy:	+/- 0.5mm
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
Antennas:	Parabolic, Cone, Stilling Well

*requires MCG 2350 accessory for temperature inputs.

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