



Cost Effective Installation

Easy upgrade to existing equipment

Automated Wireless Gauging of Local and Remote Tank Fields

Spread Spectrum Technology

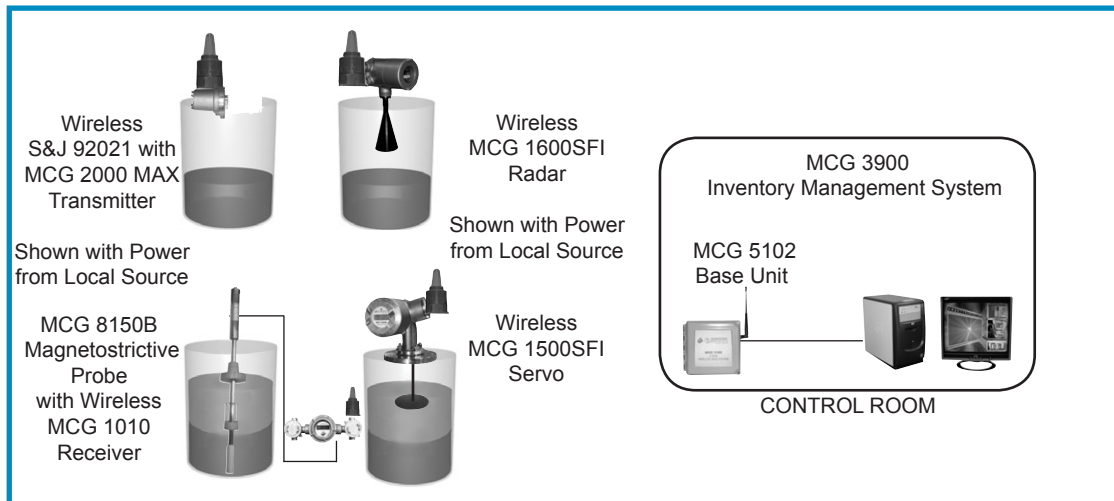
L&J Engineering SFI Series Level Gauges and Transmitters

Third Party Gauges and Transmitters (analog and discrete communications)

The L&J Engineering MCG 5101 Wireless Remote Station

Information which can be transmitted:

- Product Level
- Water Level
- Temperature
- Pressure
- Discrete Status
- Diagnostic Information
- Gauge control
- Other



Applications

Connects directly to field mounted L&J Engineering gauges and transmitters

Integrated antenna and radio design

Eliminates hardwire cable and conduit connections to the control room

Provides transparent, wireless RF link to MCG 5102 wireless base station

SPECIFICATIONS MCG 5101

Local Power Source:	Standard 110/220 VAC power; 24-48VDC, 48VAC, 65VAC; on existing SFI equipment
Battery Pack Option:	Deep cycle; low maintenance cells with an average life cycle of 2 years. Configured to meet the power requirements of each specific installation.
Solar Power Option:	Semi-crystalline silicone photovoltaic cells provide the highest efficiency and eliminate the "HOT SPOT" damage that can affect single crystal cells. 1/8" tempered low iron glass provides high impact resistance, and is virtually self cleaning in most environments.
RF Transceiver:	Rugged, compact, solid state transceivers. Frequency hopping spread spectrum technology meets the specific requirements of any installation.
Frequency Band:	900MHz or 2.402 - 2.478GHz (No Site License Required)
Output Power:	400mw (2.4GHz), 1w (900MHz)
Range:	2 miles (2.4GHz), 5 miles (900MHz), (greater ranges available)
Housing:	Class I, Div I, Group B,C & D Class II, Group E, F, & G
Approvals:	Complies with Part 15 of FCC rules

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

SPECIFICATIONS MCG 5101 (continued)

System Compatibility: The MCG 5101 Wireless Remote Station provides a wireless communication link for the following L&J Gauges and Transmitters:

MCG 1200SFI Remote Terminal Unit
MCG 1500SFI Servo Gauge
MCG 1600SFI/1700SFI Radar Gauge
MCG 1800 Process Radar Gauge
MCG 2000SFI Transmitter
MCG 2000 MAX Transmitter

INFORMATION REQUIRED TO ORDER:

MCG 5101 - A - B - C - D - E

ANTENNA	_____
MOUNTING	_____
BATTERY	_____
POWER SOURCE	_____
CAPACITY	_____

MCG 5101 WIRELESS REMOTE STATION

MODEL NUMBER SELECTION:

The model number will have a base number, MCG 5101, followed by 5 digits. These digits will represent 5 sets of option tables.

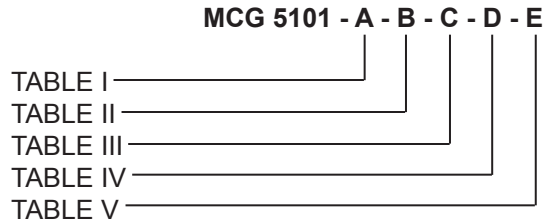


TABLE A - ANTENNA

- 1 - 3 DB Omni
- 2 - Directional

TABLE B - MOUNTING

- 1 - Inside Field Unit
- 2 - Seperate Enclosure

TABLE C - BATTERY

- 0 - None
- 1 - Battery - Depends on load

TABLE D - POWER SOURCE

- 1 - Solar
- 2 - 110 VAC
- 3 - 24 VAC
- 4 - 24 - 48 VDC

TABLE E - CAPACITY

- 2 - 1 Point
- 3 - 10 Points (Local Power) NEMA 4 Box