



L&J engineering
evolving at every level



MCG 1090
Level Alarm Probe

True Independent **Overfill Protection** Offers Real **Peace of Mind**

The MCG 1090 and 1095 Level Alarm Probes are the industry's only independent, truly self-testing probes to use when operating your facility as a CATEGORY 3 – Unattended storage tank field environment.

an **L&J TECHNOLOGIES** company

5911 Butterfield Road | Hillside, IL 60162 | 708.236.6000 | www.ljtechnologies.com





Complete Self Diagnostics

L&J Engineering's state-of-the-art wired MCG 1090 and battery powered; wireless 1095 Level Alarm Probes are the industry's only independent, truly self-testing probes on the market. **While competitors' systems typically only check the unit's wiring and probe electronics, the MCG 1090 and 1095 also include a solenoid to physically move the displacer as an actual liquid level event would.** By simulating the mechanical actuation that rising liquid level would trigger, the MCG 1090 and 1095 are able to offer you the most reliable protection available against dangerous and costly overfills with a truly complete self-diagnostic capability.

Typically, a high-level alarm probe is mounted in a poor environment and sits inactive for years. This makes regularly scheduled testing the most important factor in reliability that requires considerable time and resources. **The MCG 1090's and 1095's self-diagnostics along with the remote self-checking features make regular proof testing of the probes easy and convenient delivering reliability and peace of mind when operating a Category 3 – Unattended storage tank field operation.** In a wholly-unmanned facility, when coupled with the MCG 7030 Touch Panel Alarm Monitor, all probes can be automatically tested at pre-programmed intervals, with status reporting to a remote-control center, prior to any scheduled receiving operation – *saving time and resources.*

Achieving a Complete Automatic Tank Gauge System

Upgrading your overfill prevention procedures with L&J Engineering's MCG 1090 or 1095 Level Alarm Probe as an Independent High-Level Alarm can help you achieve a Category 3 – Unattended storage tank field operation. **The MCG 1090 and 1095 combined with either an MCG 1600SFI Radar Gauge, evo 2600 Radar Gauge, or MCG 2000MAX Transmitter-equipped Float & Tape gauge as an independent level sensor would create a complete Automatic Tank Gauge System (ATGS) as outlined by the API Recommended Practice 2350 and complete a comprehensive Overfill Prevention Process (OPP).**

Look to L&J Technologies for all your **comprehensive level gauging** solutions, service and support needs.

Contact us today, **708-236-6000** or sales@ljtechnologies.com and let us help you decide what solution will work best for you and your operation.

L&J Technologies or any of its subsidiaries assume no responsibility and shall not be liable for any damage, injury or death caused by the mis-application or improper installation of the products that it provides. Installation shall be per manufacturer's instructions in accordance to any applicable local, state or federal regulations. It is the responsibility of the purchaser to ensure these guidelines are followed and that the products are applied properly.

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MCG 7030
Touch Panel Alarm Monitor



MCG 1600SFI*
± 0.5 mm accuracy



evo 2600*
± 3 mm accuracy



MCG 2000MAX*
Transmitter

* Optional **WirelessHART** shown.



MCG 1090
Wired Level Alarm
Probe

MCG 1095
Wireless Level Alarm
Probe

Benefits

Industry's Only True Complete Self-Testing Level Alarm Probe

The competitors' systems typically only check the unit's wiring and probe electronics, the MCG 1090 and 1095 also include a solenoid to physically simulate the mechanical actuation that rising liquid level would trigger.

Meets State Fire Codes for Independent Alarms

The MCG 1090 and 1095 are explosion proof and meet state fire codes from the National Fire Prevention Association (NFPA) for independent alarms.

Reliable Protection Due to Simplified Mechanics

The MCG 1090 and 1095 Level Alarm probes combine a simple level alarm reed switch and a solenoid to provide a highly reliable alarm switch with optional self-check capabilities.

Remote Self-Testing Capabilities

When coupled with the MCG 7030 Touch Panel Alarm Monitor, all probes can be automatically tested at pre-programmed intervals, with status reporting to a remote-control center, prior to any scheduled receiving operation.

Wired and Wireless Options

The MCG 1090 can utilize multiplexing or independent wiring. For facilities that choose wireless the MCG 1095 needs no wires at all. It contains a Lithium battery which will completely power the probe for at least one year.

MCG 1095
Wireless Level
Alarm Probe



LJE-B-1090-95-19B