

## MCG 1095 Wireless Level Alarm Probe

### Reliable Protection

The MCG 1095 Wireless High Level Alarm Probe brings state of the art technology to overflow protection- it is the only probe on the market with complete self testing! The competitors systems typically only check the wiring and probe electronics. The MCG 1095 includes a solenoid to physically move the displacer as an actual level would. In keeping with the L&J tradition, the MCG 1095 has gone a step further than the competition in providing high reliability and low maintenance. The MCG 1095 offers the most reliable protection available against dangerous and costly overfills.

### Remote Self-Checking

Typically, a high level alarm probe is mounted in a poor environment and sits inactive for years at a time. This makes regularly scheduled testing the most important factor in reliability. The remote self-testing feature of the MCG 1095 makes regular testing of the probe easy and convenient. If coupled with the MCG 7030 Touch Panel Alarm Monitor, all probes can be automatically tested at pre-programmed intervals, complete with a printout of probe conditions.

### Battery Operation

The MCG 1095 needs no wires at all. It contains a Lithium battery which will totally power the unit for at least 1 year. Using L&J proprietary algorithms, it instantaneously sends back any alarm conditions as well as continually checking battery conditions and probe electronics. If the battery should get low or any other abnormal condition should occur, it will immediately notify the host.

### Remote Data Acquisition

For a complete alarm system the MCG 1095 probe is coupled to the MCG 7030 Touch Panel Alarm Monitor. The MCG 7030 provides automatic self-checking, printouts and discrete outputs for horns, emergency shut-off, as well as an optional communications port.



## Features

- Industry's Only True Complete Self-Testing Wireless Level Alarm
- Wireless Communication
- Meets State Fire Codes for Independent Alarms
- Remote Self-Testing
- Reliable Protection Due to Simplified Mechanics
- Extended Life Lithium Battery Powered

## Applications

- Hi, HiHi, Lo Level Alarm Applications
- Pump, Valve actuating

**Specifications**

**Mounting Connection:**

1-1/2" or 2" NPT  
1-1/2", 2", 4" or 6" Flange

**Alarms:**

Hi, HiHi, Lo

**I/O:**

NC/NO, L&J, NC/NC  
5V, 100mA

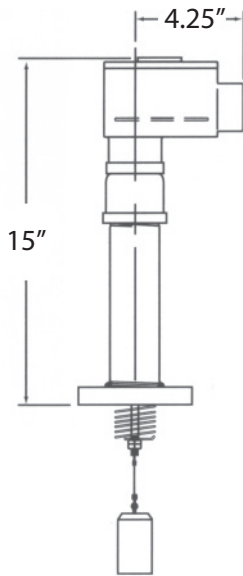
**Self-Testing:**

Automatic (L&J Tankway),  
Manual (24VDC), None

**Material:**

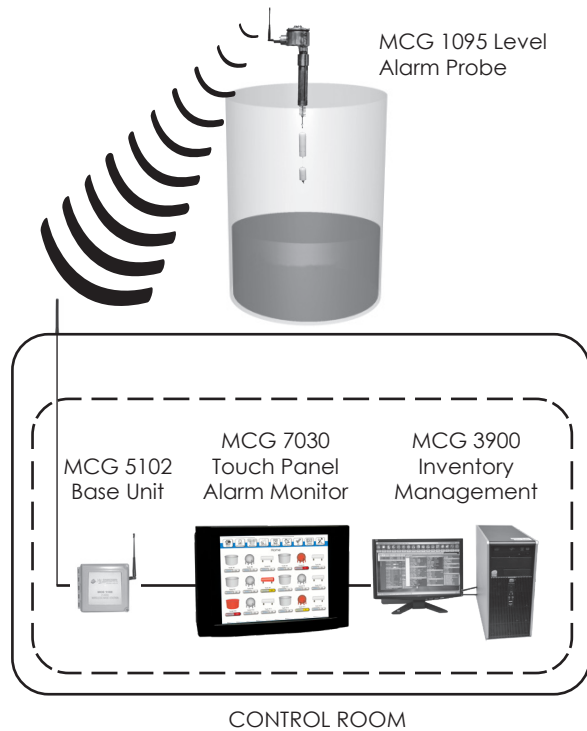
304 SS Housing (Standard)  
Nylon Displacer (Std.) 316 SS and Graphite (Opt.)  
(Other Materials Available)

**Dimensions**



Wireless Stand Alone  
High Level Monitoring System

**Typical System Layout**



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

## MCG 1095 Ordering Guide

### MCG 1095 Level Alarm Probe

Includes: Probe, Displacer, 10 ft. (3m) of 302 SS Cable (Longer Cables Available– Please Specify Actual Cable Length).

### Model Number Selection:

The model number will consist of a base number **MCG 1095** followed by 10 digits. These digits will represent 6 option tables:

### MCG 1095 - AB - CD - EF - GH - IJ

AB – Body Size / Length	
10	1.5" body; 10 ft. (3 m) of 302 SS Cable
12	1.5" body; 30 ft. (9.1 m) of 302 SS Cable
21	2.0" body; 10 ft. (3 m) of 302 SS Cable
22	2.0" body; 30 ft. (9.1 m) of 302 SS Cable
31	1.5" body; 10 ft. (3 m) of 316 SS Cable
32	1.5" body; 30 ft. (9.1 m) of 316 SS Cable
41	2.0" body; 10 ft. (3 m) of 316 SS Cable
42	2.0" body; 30 ft. (9.1 m) of 316 SS Cable

C – Mounting	
0	Special
2	1.5" 304 Stainless Steel Body
3	2.0" 304 Stainless Steel Body

D – Connections	
1	1.5" NPT (No Flange)
2	2.0" 300 lb. RF Flange (304 Stainless Steel)
3	2.0" NPT (No Flange)
4	1.5" 300 lb. RF Flange (304 Stainless Steel)
5	6.0" 150 lb. RF Flange (304 Stainless Steel)
6	2.0" 150 lb. RF Flange (304 Stainless Steel)
7	4.0" 150 lb. RF Flange (304 Stainless Steel)
8	6.0" 300 lb. RF Flange (304 Stainless Steel)
9	4.0" 300 lb. RF Flange (304 Stainless Steel)

EF - Comm. Type/Checker	
02	Remote Checker

GH - I/O Configuration	
10	Explosion Proof Antenna

I J - Displacer Size and Configuration	
00	1.5" Nylon Single Displacer (S.G.: .65-1.0)
01	1.5" Nylon Dual Displacer (S.G.: .65-1.0)
04	1.5" Nylon Single Displacer (S.G.: .50-.80)
05	1.5" Nylon Dual Displacer (S.G.: .50-.80)
20	1.5" 316 S.S. Single Displacer (S.G.: .65-1.0)
21	1.5" 316 S.S. Dual Displacer (S.G.: .65-1.0)
24	1.5" 316 S.S. Single Displacer (S.G.: .50-.80)
25	1.5" 316 S.S. Dual Displacer (S.G.: .50-.80)

S.G. = Specific Gravity Range of Product  
\* Need Dual Displacer for Hi and HiHi Alarms.