Application

The explosion proof loop powered level indicator displays engineering units connected in series with one 4-20 mA continuous level transmitter. Select this level indicator for hazardous applications with an explosion proof level sensor. The windowed field enclosure is easily wall mounted and includes two conduit connectors.

Features

- Rugged aluminum explosion proof windowed enclosure
- LCD display indicates engineering units and descriptors
- Non-volatile memory with security password protection
- SafeTouch through-glass button programming
- 32-point, square root or exponential linearization

Key Benefits

- Simple, loop powered display for use in explosion proof applications
- Add display to current loop in the classified area
- Displays in inches, feet, meters, gallons or liters of liquid in the tank
- Easy to configure and scale for your application
- Provides Hi or Lo level alarm indication

Compatible Products

ECHOSAFE®

Ultrasonic Level Transmitter

FM approved for hazardous environments, the explosion proof ultrasonic level transmitter provides continuous level measurement up to 32.8’ (10m) with a 4-20 mA signal output, and is configured via the integral push button display module. This non-contact liquid level sensor is ideally suited for corrosive, ultrapure, sticky or dirty liquids, and is selected for bulk storage, day tank and process tank level applications located in a classified area.
For explosion proof level measurement, package the indicator with the EchoSafe ultrasonic transmitter.

**Specifications**

- **Display type:** LCD
  - Upper: 5 digits
  - Lower: 7 characters
- **Display units:** Engineering
- **Display output:** 0.001 to 99,999
- **Display height:**
  - Main: 0.70" (18mm)
  - Secondary: 0.4" (10mm)
- **Decimal point:** 0, 1, 2 or 3
- **Configuration:** Push button, SafeTouch through-glass
- **Memory:** Non-volatile
- **Sensor input:** (1) 4-20 mA transmitter
- **Loop power:** 9-30 VDC
- **Voltage drop:**
  - 3.0 VDC @ 20 mA w/o backlight
  - 6.0 VDC @ 20 mA with backlight
- **Ambient temp.:**
  - F: -40° to 167°
  - C: -40° to 75°
- **Enclosure rating:** NEMA 4X, 7 & 9 (IP68)
- **Enclosure mat'l.:** Aluminum
- **Window mat'l.:** Glass
- **Conduit entrance:** Dual, 3/4" NPT
- **Classification:** Explosion proof
- **Compliance:** CE
- **Approvals:** FM, ATEX, IECEX, CSA

**Dimensions**

- **Height:** 5.25" (133.4 mm)
- **Width:** 4.96" (126 mm)
- **Depth:** 1.65" (42 mm)

**Accessories**

For reliable power and performance, use the below recommended power supply.

<table>
<thead>
<tr>
<th>P/N</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>LC95-2001</td>
<td>100-240 VAC, 24 VDC @ 0.45A, 35mm rail</td>
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**Ordering**

- **300500**<sup>(1)</sup>

**NOTES**

1) For explosion proof level measurement, package the indicator with the EchoSafe ultrasonic transmitter.