

Pressure + Level

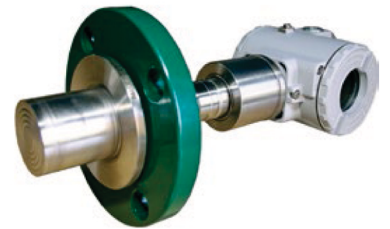
LD290 Series Gage Pressure Transmitter and Level

The LD290M models are an economical alternative for gauge pressure and level transmitters. It is based on a field-proven capacitive sensor that provides reliable, safe operation and high performance. As there is no A/D conversion on pressure reading, errors and drifts during conversions are eliminated. A temperature sensor provides temperature compensations, which combined with the sensor precision, results in high accuracy and stability for the LD290 Series. This lightweight design can eliminate the need for mounting brackets. In many applications they can be attached directly to the process without the use of impulse lines. The coupling of remote seals and sanitary connections are also available for all of the LD290 Series.



4-20 mA   

The LD290L models were designed to be a low cost alternative for level measurement in non-pressurized tanks. The process connection is a slip-on flange in Plated Carbon Steel, 304 SST or 316 SST. The LD290L (4-20 mA), LD291L (4-20 mA + HART®), LD292L (FOUNDATION™ fieldbus) and LD293L (PROFIBUS PA) versions are available.



4-20 mA   

The LD290I models are gauge pressure transmitter with an extended probe for level measurement in non-pressurized tanks. A probe, in several lengths, with a sensor in its ends, is immersed in the process fluid, providing the level of the liquid in the tank. Several process connections options are available.

The LD290 Series have the following characteristics:

- $\pm 0.2\%$ accuracy;
- Several probe lengths up to 3200 mm;
- Totally digital, including sensor, electronics and communication;
- Several options for process connections;
- Extended probe material: AISI304L or AISI316L;
- Simple (zero and span) and complete local adjustment;
- MTBF (Mean Time Between Failures) of 239 years;
- 40:1 rangeability;
- Configuration and remote diagnostics by HPC401, CONF401, DDCON 100 and FDT/DTM;
- Multifunction rotary display;
- Digital communication via HART®, FOUNDATION™ Fieldbus, and PROFIBUS-PA protocols;
- Weather proof, explosion proof and intrinsically safe;
- Built-in transient suppression.



4-20 mA   