

New benchmark for precision even with turndown and temperature changes

L3 Pressure, level and volume transmitter

L3 sets new standards in accuracy

- Accuracy <0.10 % and temperature drift <0.016%/10°F of calibrated measuring range
- · Integrated tank linearization and density compensation
- Simple installation and operation through graphical user interface, on-site configuration & Smart Replace Design

With its exceptional performance characteristics, the L3 sensor is well suited for level and volume measurement. This works especially well in smaller vessels or those with high and changing process temperatures, where pressure sensors were previously not considered precise enough.

- High accuracy: Integrated tank linearization with density compensation for output of volume or mass (kg, l, %...)
- Compact & modular: Simple, flexible installation due to small size & on-site component replacement due to modular design
- Flexible: Optional version with remote display for optimum installation and easy monitoring at inaccessible measuring points
- Simple: User-friendly display programming for commissioning, configuration and maintenance

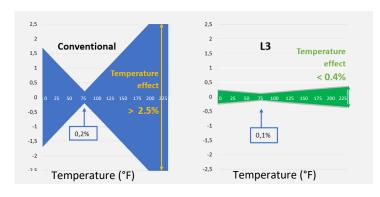
Measurement accuracy:

The L3 is based on the calibrated measuring range, so the **accuracy remains at 0.1%** (5:1 turndown) or 0.15% (10:1 turndown).

Temperature drift:

Conventional sensors show a temperature drift of up to 0.2% per 10°F. At 225 °F, the **temperature drift is over 2.5%!**

The L3 shows a temperature drift of 0.016% per 10°C due to the calibrated measuring range. At 110°C the temperature effect is below 0.4%!



Possible applications

 Hygienic pressure and level monitoring for processes in breweries, dairies and in the food and beverage industry



Technical specifications at a glance

- High-precision hydrostatic level measurement in vessels and process pressure measurement in pipes
- Measuring range 0...6 | -14.7...30 | -14.7...100 | -14.7...500 psi, with selectable calibration range
- · Range with Turndown 1:10 up to 0...0.6 psi
- Pressure metering in tanks and pipes up to 230
 F; CIP/SIP cleaning up to 275°F up to 60 min.
- · Protection class up to IP69K for reliability
- Smart Replace Design with Remote version for hassle free replacement of all components

Note: Alternative for pressurized tanks

Based on the same modular concept as the L3, the Differential pressure and level sensor D3 offers the same advantages in function, measuring accuracy and user-friendliness for pressurized tanks.



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	8	8 30"Hg/0/500 PSI, -135 BAR, -40013850" w.c.											
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		142								a 3A compliant instrument tee			
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