

## Differential Pressure Transducer for Water LX-PD-W-10

The differential pressure transducer for water LX-PD-W-10 is designed with dual sensors that enable it to accept high differential pressures in the ranges of 0-1/2/5/10 bar. The product can handle continuous overload pressure 2X and burst pressure 5X the maximum full scale range.

### Details

The product features include field selectable pressure ranges and output signal types for the most flexible applications. LX-PD-W-10 is an ideal choice for monitoring differential or gauge pressure of water pipelines in most HVAC applications. The output signal is factory calibrated and temperature compensated for the highest start-up accuracy.

Ensure that the maximum individual port pressure does not exceed the maximum pressure range of the unit.

### Order Code

LX-PD-W-10

LX-PD-W-10-LCD (optional, with display)

- Excellent long-term stability and high accuracy
- Four selectable pressure ranges
- Jumper selectable output types
- IP54 enclosure
- Push button and remote zeroing terminal
- Uni-directional or bi-directional pressure range selection switch
- High / low port swap switch to solve incorrect plumbing
- Normal or slow surge damping switch to prevent false alarms and reduce noise
- Backlit LCD (optional)



Case color: Grey by default

### Technical Data

Media Compatibility:	17-4 PH stainless steel
Input Power:	15 to 30 VDC / 24 VAC nominal
Supply Current @ 24 Vdc (max):	100 mA with LCD backlight 35 mA LCD backlight disabled
Output:	3-wire transmitter; user selectable 4-20mA and 0-10V
Pressure Ranges:	0-1/2/5/10 Bar (jumper selectable) with both differential and gauge measurements
Line Pressure:	Max. line pressure is the highest of the selectable ranges
Proof Pressure:	Max. 2X full scale range
Burst Pressure:	Max. 5X full scale range
Accuracy:	+/- 1% F.S. combined linearity, hysteresis, and repeatability. Range 4 accuracy +/- 2% F.S.
Pressure Cycles:	> 100 million
Surge Damping:	normal 4-second averaging slow 8-second averaging, switch selectable
Temperature Compensated Range:	0 to 55°C
Sensor Operating Range:	-40 to 105°C
Long Term Stability:	+/- 0.25% typical (1 year)
Zero Adjust:	Push button auto-zero and digital input
Operating Environment:	0 to 50°C 10-90% RH non-condensing
Fittings:	1/8" NPT female
Enclosure:	127mm x 127mm x 57mm
Shock:	100G, 11 mSec, 1/2 sine
Vibration:	20G peak 20 to 2400 Hz
Rating:	IP65
Manufacturing Process:	ISO9001