



PD/PDH3018 Transmitters

The PD/PDH3018 transmitter is designed with Hastelloy C-276 diaphragms for superior corrosion resistance. The transmitter is constructed of all welded 316SST capillary and electronics. This design enables the use of small bore, thick walled capillary to minimize oil volume and subsequent thermal errors due to oil expansion or contraction. The sensor can withstand static pressure and over pressures to 2000 psi. The PD/PDH3018 is a rugged and reliable solution for severe environments, even underwater and undersea measurements. These units are hermetically sealed and submersible to 1500 meters (5075 ft.), making submerged monitoring of closed tank levels or direct mounting on a pipeline to monitor for leaks or blockage quick and easy. The PD/PDH3018 is a completely welded system. The sensing assembly is electrically isolated from the process media by an insulating glass seal. This prevents damage to the transmitter electronics caused by process borne electrical transients. The PD/PDH3018 is ideally suited for sludge measurements in waste water clarifiers, liquid level measurements, and flow measurements requiring flush or flange mounting. Key performance characteristics of the PD/PDH3018 are:

- Basic Pressure Ranges from 0-30 inches W.C. to 0-1000 psid.
- +/- 0.25% accuracy (+/- 0.1% optional)
- 5 to 1 turndown ratio from the basic ranges
- Capillary lengths up to 40 feet
- Static accuracy better than +/-0.25% URL
- Certified Explosion Proof and Intrinsically Safe to FM, CSA, and CENELEC requirements
- 5 Year Warranty