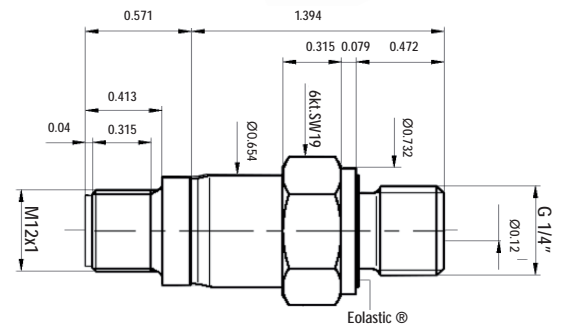


PA1 Manometer Sensor

The PA1 pressure sensor is the ideal choice for monitoring pressure in water distribution networks and irrigation mainlines. It is made in Switzerland for Adcon Telemetry and incorporates the very latest techniques for construction, signal processing and automated compensation and adjustment.

During the production process each transmitter is subjected to multiple temperature and pressure cycles. The final laser trimming adjustment gives unrivalled accuracy over a wide temperature range. The result is a cost-effective, affordable transmitter that has a specification better than other similarly priced products, and equal to many much more expensive transmitters.

The PA1 is available in two pressure ranges: 0-10 bar and 0-30 bar. The sensor is fitted with a 1/4" BSP thread. Adaptors for other pipe standards are available (e.g. NPT). An M12 to 7pin Binder cable connects the sensor to an Adcon RTU.



Applications

- Pipeline pressure
- Irrigation system operating pressure
- Tank level
- Process control

Technical data

| | | | |
|--------------------------------|------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------|
| Dimensions | 1.93" x 0.866" Ø | Measuring ranges | 10 and 30 bar (absolute) |
| Weight (without cable) | 1.06 oz. | Overpressure | 20 and 60 bar respectively |
| Protection class | IP-67 | Power Supply | 3.5V ... 12Vcc |
| Temperature range | -40°F ... +176°F | Connectors on cable (optional - please order separately) | 4-pin M12 female (sensors) 7-pin M9 male Binder (Adcon RTU) |
| Material in contact with media | Stainless steel 316L (DIN 1.4435) / Viton / PE | Material Cable | PVC2, shielded |
| Manometer thread | G 1/4" (NPT adapters available) | Ordering Information | |
| Connector to cable | M12 4-pin male | 200.733.160 | PA1 Manometer 0 - 10 bar |
| Measuring method | piezoresistive | 200.733.161 | PA1 Manometer 0 - 30 bar |
| Accuracy overall | typ. 1% FS (32...122°F) max. 1.5% FS | 200.733.166 | 16.4 ft. cable 4pin M12f - 7pin M9m |
| Linearity | typ. 0.25%FS max. 0.5% FS | 200.733.167 | 32.8 ft. cable 4pin M12f - 7pin M9m |
| Output signal | 0.1... 2.5VDC | | |