

## PA 1 M anometer 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	49mm x 22mm Ø	Overpressure	20 and 60 bar respectively
Weight (without cable)	30 g	Output signal	0,1... 2,5VDC
Protection class	IP-67	Power Supply	3,5V ... 12Vcc
Temperature range	-40°C ... +80°C	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)	<b>Ordering Information</b>	
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 (0...50°C) max. 1,5% FS	200.733.166	5m cable 4pin M12f - 7pin M9m
Linearity	typ. 0,25%FS max. 0,5% FS	200.733.167	10m cable 4pin M12f - 7pin M9m
Measuring ranges	10 and 30 bar (absolute)		

