

# Technical Data

## PA-2 Manometer Sensor



### Pressure Sensor for Pipelines

The PA-2 pressure sensor is the ideal choice for monitoring pressure in water distribution networks and irrigation mainlines. It incorporates the very latest techniques for signal processing, automated compensation and adjustment, which ensures unrivalled accuracy over a wide temperature range. The PA-2 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 PA-2 is available in two pressure ranges: 0-10 bar and 0-30bar.

Measuring method	
	piezo-resistive
Measurement ranges	
	10 and 30 bar (absolute)
Accuracy	max. 1% FS (0...50°C); max. 1,5% FS (-10...80°C)
Linearity	typ. 0,25% FS, max. 0,5% FS
Overpressure	20 and 60 bar respectively
Electrical data	
Output signal	0,1... 2,5VDC
Power Supply	5,5 ... 32VDC
Environmental conditions	
Temperature compensated working range	0°C ... 50°
Temperature range	-40°C ... +100°C
Protection class	IP65/IP67
Dimensions	
Lenght x Diameter	59,5mm x 22mm Ø

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Manometer thread	G 1/4" / NPT
Weight	52 g (without cable)

Material & Cable connection	
Material sensor	Stainless steel 316L (DIN 1.4435) / Viton / PE
Connector to cable	M12 4-pin male
Connector on cable (optional - please order separately)	4-pin M12 female (sensors); 7-pin M9 male Binder (Adcon RTU)
Material cable	PUR, shielded

Ordering information	
A200733163	ADCON PA-2 manometer 0-10 bar, 1/4" thread
A200733164	ADCON PA-2 manometer 0-30 bar, 1/4" thread
A200733165	ADCON PA-2 manometer 0-10 bar, 18NPT thread
A200733166	Cable 5m for manometer ADCON PA-1/PA-2, M12f / M9m
A200733167	Cable 10m for manometer ADCON PA-1/PA-2 M12f / M9m