ACC-SEN-PT232A-NPT-3M

Wildeye Irrigation Line Pressure Transducer - 0-232PSI

PART NUMBER **P01540**



Key features

- 0–232 psi (0–16 bar) absolute range
- ±0.5% FSO typical accuracy
- IP68 Stainless steel housing and 316L stainless steel diaphragm
- ¼" NPT male process connection
- M12 5-pin connector, plugs directly into a Wildeye NACS plug

Overview

Stainless steel inline pressure transducer for measuring absolute pressure in pipes and pressurised systems, such as irrigation lines. It has a 0–232 psi (0–16 bar) absolute range, a ¼" NPT male process connection, and an M12 5-pin connector that plugs directly into a Wildeye NACS plug. It is calibrated and temperature compensated, with a 316L stainless steel diaphragm suitable for water and most industrial media.

> This is an absolute sensor: it reads approx. 14.7 psi at sea level with no applied pressure. To report gauge pressure, subtract atmospheric pressure in the logger or platform.

Specifications

Measurement

Measurement type	Absolute
Range	0–232 psi (0–16 bar)
Overpressure	348 psi (24 bar), 1.5 × FS
Output	4–20 mA, 2-wire
Supply voltage	12–30 VDC
Accuracy (incl. non-linearity, hysteresis, repeatability)	±0.5% FSO typ., ±0.75% FSO max.
Thermal error – zero	±0.75% FSO typ., ±1.5% FSO max.
Thermal error – span	±0.75% FSO typ., ±1.5% FSO max.
Long-term stability	±0.3% FSO typ., ±0.5% FSO max.
Compensated temperature range	−10 to +70 °C
Medium temperature range	−20 to +85 °C
EMC rating	IEC 61000-6-2 / IEC 61000-6-3

Physical

Housing	Stainless steel (304/316)
Diaphragm	316L stainless steel
Seal	NBR O-ring
Process connection	¼" NPT male
Electrical connection	M12 × 1, 5-pin circular connector
Ingress protection	IP68
Body diameter	27 mm
Body length (excl. process connection)	Approx. 65 mm
Vibration	20 gRMS (20–2000 Hz)
Shock	100 g (10 ms)

Connection

Connector	M12 male, 5 position
Cable length	10ft

PIN	WIRE COLOUR	FUNCTION
1	Brown	V+
2	White	N/C
3	Blue	4-20mA return
4	Black	N/C
5	Grey	N/C

Compatibility

Compatible loggers	Wildeye -NACS plug
Mywildeye.com Add Sensor template	ACC-SEN-PT232A-NPT-3M
Add Sensor QR	Use this QR code in the Wildeye App to add this sensor