

Absolute & Gauge Pressure Transmitter



Description

The complete range of 'intelligent' pressure transmitters with local display and adjustment by three pushbuttons. The pushbuttons are used to set Zero and Span. Test pressures are not required for calibration. The display which can indicate a number of chosen engineering units is also used during programming to assist the easy operation. Process temperatures can be shown and damping times can be adjusted from 0 to 25 secs. Also a 4-20 mA Current Simulation can be performed. The Series 2000 is fully temperature compensated. Over 40 different process connections are available including many flush diaphragm designs. Options include ATEX approval or HART®, PROFIBUS PA protocol.

Technical Data

MEASURING RANGE MIN. MAX.	0,2...350 BAR
PROCESS TEMPERATURE	-20 °C...+90 °C
ACCURACY	UPTO 0.075 % OF ADJUSTED SPAN
PROCESS CONNECTIONS	THREADED ½" BSP OR NPT MALE
TURN DOWN	10:1
OUTPUT	4-20 MA 2-WIRE, OPTION HART PROTOCOL, PROFIBUS PA
ADJUSTMENT	WITH 3 PUSH BUTTONS AND DISPLAY, WITHOUT TEST PRESSURE
POWER SUPPLY	12 – 36 VDC (EX: 12 – 26,5 VDC)
PROTECTION	IP66 (OPTION IP68)
AMBIENT TEMPERATURE	-20 °C...+70 °C
DIAPHRAGM MATERIAL	CERAMIC SENSOR
SEALING	VITON O-RING (STANDARD) OTHER MATERIALS ON REQUEST
WETTED PARTS	AISI 316
ELECTRONICS HOUSING	AISI 304, OPTION AISI 316
CERTIFICATES/APPROVALS	EXPLOSION SAFETY : ATEX EX-IA, IECEx EX-IA, EAC EX-IA
	MARINE APPROVALS : LLOYDS, DNV-GL, BV, ABS, RINA
	FUNCTIONAL SAFETY : SIL2