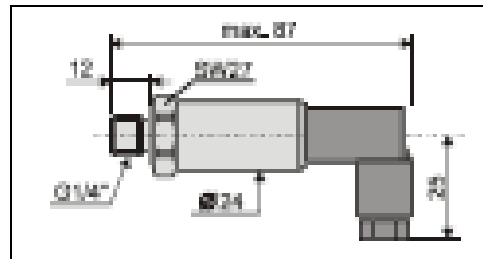


- **1% Accuracy and non-linearity**
- **0 – 2 to 0 to 600 bar**
- **Piezoresistive sensor**
- **Process temperature -40 to +135 °C**
- **Stainless steel casing**
- **Membrane in stainless steel**
- **4 - 20mA Output**
- **Capable in handling most process fluids**
- **Weather-proof housing IP65**
- **Hirschmann connector DIN 43650**
- **Small and light weight**
- **Response time better than 10mSec**
- **Local indicator (Option)**
- **Low cost**



GENERAL DESCRIPTION

The BPT50 low cost pressure transmitter contains a thin-film sensor element and an electronic circuit. Calibration takes place electronically and thus the transmitter displays a comparably small total error and is stable in the long term. The hermetically welded measuring cell ensures a high degree of long-term resistance to leakage and stability. The special steel membrane is completely vacuum-tight, extremely burst-proof, and can be used with all standard media in pneumatics, environmental technology, process technology, and automotive engineering as far as such are compatible with special steel. This thereby covers use in standard applications in mobile hydraulics and in other areas of application. The great exactness and the robust, compact structure guarantee a broad range of possible uses in industry as well as for high-temperature applications. On the basis of the combinability of different mechanical and electronic connections, a variety of different pressure transmitter versions is offered.



TECHNICAL SPECIFICATIONS

Process fluid : Liquid, gas or vapor
Range : 0-2 to 0-600 bar
Output signal : Two-wire, 4-20mA
Power supply : 12 - 28 VDC
Load limitation : 0 - 636Ω at 24VDC
Process temp : -40 to +135°C
Sensortype : Thin film sensor
Overpressure : 150%

PERFORMANCE

Accuracy : 1% (10-40°C)
 (2% 0-80 °C, 4% -40-135°C)
Repeatability error : ±0.05%
Response time : Better than 10 millisecond
Mounting : No restriction
EMC : EN 50081-1 & 2, EN 50082-2,
 89/336/EEC



INSTALLATION

Electrical connection : Hirschmann DIN 43650 IP65
Process connection : G1/4", M12, 7/16", 3/8" or specify
Wetted parts : Stainless steel 1Cr18Ni9Ti
Housing : Stainless steel or brass
Protection class : IP65
Weight : 50 g
Mounting : Directly supported by piping

ORDER INFORMATION BPT50

RANGE	CONNECTION	OPTION
Z Specify	Z Specify	X None
1 0-2 bar	Q23 G1/4"	1 LCD-display
2 0-4 bar	Q32 M12	
3 0-6 bar	Q35 7/16"	
4 0-10 bar	Q36 3/8"	
5 0-16 bar		
6 0-25 bar		
7 0-40 bar		
8 0-100 bar		
9 0-250 bar		
10 0-400 bar		
11 0-600 bar		