

TWO-WIRE PRESSURE TRANSMITTER (with Display)

BPT50-A

- · For low-cost applications
- For gauge pressure
- Ranges from 0 to 500 bar
- 2-wire 4...20 mA output
- 4-digit loop-powered programmable LCD display
- 250 VAC/DC alarm relay output
- · Optional serial interface
- Up to 1.0% accuracy
- Compact design

GENERAL DESCRIPTION

The BPT50A pressure transmitter is a combination of a thinfilm pressure sensor type BPT50 and a programmable looppowered indicator. A 4-digit LCD display allows visualization of the measured pressure from -1999 to 9999 units with resolution of up to 6000 points and user programmable display scalelimits very useful when different pressure engineering units are used. BPT50-A is also equipped with programmable pressure alarms (with or without pulse mode) driving a low-power electronic relay output which can also be used to activate various electric actuators for ON/OFF pressure control. The display limits, decimal point position, measurement offset value as well as many other parameters are fully programmable via a front panel keyboard. Thanks to its excellent price-to-performance ratio as well as its compact design and optional serial interface, BPT50-A is a widely applicable device in low-budget pressure measuring and control applications



Process fluid : Liquid, gas or vapor
Range : 0-min 2,5 to 0-500 bar
Overload : 1,5 x full span
Output signal : Two-wire, 4-20mA
Output SSR : 0,2A/250VAC

Output MOS gate : 0,12A/240VAC/DC (Isolated)

Control algoritm : ON/OFF
Alarms : Programmable

Serial interface : RS232 (instead of relay output) option

 Power supply
 : 16 - 32 VDC

 Processtemp
 : -30 to +85°C

 Sensortype
 : Thin film sensor

 Overpressure
 : 150%

 Display
 : 4 digit LCD 8mm

Keyboard : 4 digit LCD 8mm : 3 membrane keys

PERFORMANCE

Accuracy : 1% (display 0,1%)

Repeatability : $\pm 0.05\%$

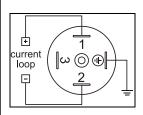
Respone time: Better than 10 ms, 0-99%

Mounting : No restriction

EMC : EN 50081-1 & 2, EN 50082-2,

89/336/EEC

CONNECTION





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

Protection class : IP65 Weight : 90 g

Mounting : Directly supported by piping

ORDER INFORMATION BPT50-A

RELAY OUT CONNECTION OPTION RANGE Z Specify X None Z Specify X None Q23 G1/4" A RS232 1 0-2,5 bar D SSR Q32 M12 2 0-4 bar M Mos gate 3 0-6 bar Q35 7/16" Q36 3/8" 4 0-10 bar

6 0-25 bar 7 0-40 bar 8 0-100 bar 9 0-250 bar 10 0-400 bar

5 0-16 bar

9 0-250 bar 10 0-400 bar 11 0-500 bar



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