



Relative and absolute pressure sensor INPRES 51 114 51 GP, AP

Designed for

- accurate measurement of absolute pressure (the INPRES 51AP type) or for accurate measurement of relative pressure (the INPRES 51 GP) of non-aggressive fluids,gases and vapour and,thanks to the possibility of material selection of separating membranes and sealing O-rings the sensor can also measure strong aggressive fluids,gases and vapours

Advantages

- SMART electronics
- the possibility of two way digital communication by means of HART record
- robust design and higher mechanical stability
- simple and precise setting of zero and setting measuring range by means of buttons placed directly on the sensor
- the possibility of remote control by means of HART record or PC
- module design with variety assortment of the particular parts
- the possibility of quick change of electronic's desks- „plug-in“
- accuracy 0.1% in the all maesuring ranges
- output signal 4 to 20 mA
- unexplosive execution EExibiICT6 and EExdiICT6 (fixed closure)
- the possibility of verification for the balance measurement
- the sensor comes with a 24-month guarantee

Technical data

114 51 GP

| | |
|---------------------------|---|
| Min. span | 0,5 kPa to 7,5 kPa |
| Max. span | 2,8 MPa to 42 MPa |
| Feed | 12 to 45 Vss (normal execution or EExd);from the power supply INAP 17 in EExi execution |
| Output signal (SMART) | 4 to 20 mA or 20 to 4 mA |
| Basic error(% meas. span) | ±0,1 % |
| Limit temp. | -40 to +105 °C |
| Protection rating | IP 65 |

114 51 AP

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|---------------------------|--|
| Min. span | 2,5 kPa to 37 kPa |
| Max. span | 460 kPa to 7 MPa |
| Feed | 12 to 45 Vss (normal execution or EExd); from power supply INAP 17 in EExi execution |
| Output signal (SMART) | 4 to 20 mA nebo 20 to 4 mA |
| Basic error(% meas. span) | ±0,1 % |
| Limit temp. | -40 to +105 °C |
| Protection rating | IP 65 |

