



Pressure difference transmitter INDIF 51 114 51 DP, HP, DR

Designed for

- accurate measurement of pressure differences of fluids, gases and vapours.
- INDIF 51 DR-measures very small pressure differences
INDIF 51 DP-measures medium and large pressure differences
INDIF 51 HP-measures large pressure differences at high static pressure

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 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 measuring 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 DP, HP

Min. span	0,5 kPa to 7,5 kPa
Max. span	2,8 MPa to 42 MPa
Feed	12 to 45 V _{ss} (normal execution or EExd); from 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 DR

Span	125 Pa to 1,5 kPa
Feed	12 to 45 V _{ss} (normal execution or EExd); from power supply INAP 17 in EExi execution
Output signal	4 to 20 mA
Basic error(% meas. span)	±0,25 %
Limit temp.	-40 to 105 °C
Protection rating	IP 65

The pressure difference sensor type DR is not available in SMART execution.

