

## Pressure gauges and thermometers With 4-20 mA Signal out

### For Types A14/A37, A82/A83

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Sheet No.: Integrated output signal



### Pressure gauges and thermometers with 4-20 mA signal out

- Unique solution for local and remote reading in one instrument
- One process connection only
- For reliable signal out
- Vibration proof
- For dry and liquid filled instruments
- Direct mounted or with diaphragm seal

### Application

This unique integrated solution supplies local and remote reading in one instrument, which means that only one process connection is needed.

Almost all types of TEMPRESS pressure gauges and thermometers can be delivered with a 4-20 mA signal out. This signal out can be used to trigger alarm functions or simple actuating controls.

The 4-20 mA Signal is supplied by an inbuilt angular position transmitter which transforms the reading of the pointer to an electronic signal ensuring the same reading for local and remote display.

The angular position transmitter is based on an optoelectrical principle which guarantees a high degree of operational reliability and stable output signals, even during difficult operating conditions.

Electronic Specifications	
Supply voltage:	2-wire 14-30 V DC
Power consumption:	< 38 mA
Output signal:	4-20 mA
Load resistance R1:	0-800 Ohm
Residual voltage on output signal:	< 10 mVs
Linear deviation:	< 1 Optional < 0.5
Reproducibility:	<0.1
Maximum angular velocity:	2000°/sec
Vibration resistance:	10G. 100-2000 Hz 3- axis
Shock resistance:	100G. 6-axis
EMC tested:	According to IEC 801-2/-3/-4 and -5
Pressure gauge types:	A14, A37
Thermometer types:	A82, A83

TEMPRESS reserves the right to changes without notice

Agent/Dealer:



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