



Pressure

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Model Brief
Description

Order No.

Technical Data

Electrical Transmitter



Baro Transmitter

An electrical transmitter which indicates directly the measured values of the atmospheric air pressure. The measured value is indicated and delivered as electrical resistance value.

3.1150.10.015

Measuring range	946 ... 1053 hPa
Graduation	1 hPa
Accuracy	± 1,5 % of mr.
Electr. output	0 ... 200 Ω
Above sea level	max. 3000 m
Meas. element	Aneroid capsules temperature compensated
Ambient temp.	-20 ... +60 °C
Case material	Synthetic
Cable	1 m, LiYCY 5 x 0,5 mm ²
Dimension	122 x 120 x 85 mm
Weight	0,75 kg



Barotransmitter PTB 100 A Barotransmitter PTB 100 B

Barotransmitters measure the barometric ambient pressure and emit the measured value as an electrical voltage value. Owing to its low current consumption, It is particularly suitable for use in combination with data loggers. To be mounted preferably in data logger systems.

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Measuring range	800 ... 1060 hPa
	600 ... 1060 hPa

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PTB 100 A	
Accuracy (20°C)	± 0,3 hPa
Linearity	± 0,25 hPa
PTB 100 B	
Accuracy (20°C)	± 0,5 hPa
Linearity	± 0,45 hPa
Resolution	0,1 hPa
Hysteresis	± 0,03 hPa
Electr. output	0 ... 5 V DC
Operating voltage	10 - 30 VDC (< 4 mA)
Ambient temp.	- 40 ... + 60 °C
Dimension	59 x 88 x 21 mm
Weight	0,09 kg



Digital Barotransmitter

Indicating meas. instrument with analogue output to determine the atmospheric pressure. An aneroid capsule with inductive displacement pickup serves as a sensor. The sensor signal is amplified electronically and displayed on a LC display. The analogue output is available for the connection of electronic recording and control instruments. Behind the front panel is a potentiometer to reduce the measured value to sea level. The instrument is in the form of a switch cabinet for panel installation.

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Electr. output	0 ... 20 mA
	4 ... 20 mA
Measuring range	913,3 ... 1113,3 hPa
Accuracy	± 0,5 hPa (at NN)
Resolution	0,1 hPa
Display	4 1/2-digit LED red
Temp. range	0 ... + 50°C
Above sea level	0 ... 850 m
Operating voltage	230 V / 50 Hz
Dimension	96 x 96 x 125 mm
Weight	0,6 kg