

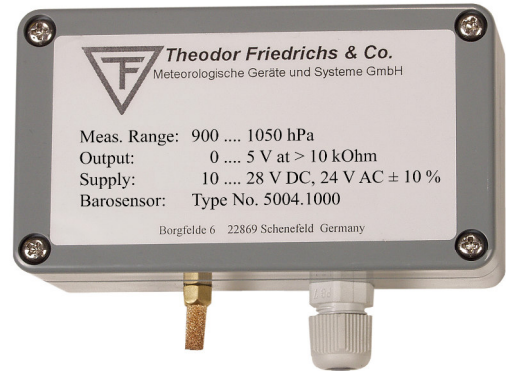


Barosensor

GROUP 5	PRESSURE
NO.	5004.0000
VERSION / DATE / NAME	16 / 10.2017 / Zi



5004.0000



5004.1000 and 5004.2000

DESCRIPTION

Version with piezoresistive sensing element, analogue output. Compact design, low weight and low power consumption. Optional versions with amplifier (voltage - respectively voltage - and current output).

TECHNICAL DATA

Measuring range: 900...1050 hPa;
(Type 5004.0000:
Exact value according to
calibration certificate);

[Other ranges upon request](#)

Accuracy: ±1 hPa
at ambient temperature 20 °C

Operating temp.: -25...+70 °C

SUPPLY

5004.0000: 8...24 V DC, typ. 40 mA

5004.1000: 10...28 V DC, typ. 60 mA

5004.2000: 13...28 V DC, typ. 60 mA

Output: 5004.0000: 0.3...4.9 V DC
5004.1000: 0...5 V at >10 kΩ
5004.2000: 4...20 mA at 0...500 Ω

Dimensions: 5004.0000: 52 x 50 x 35 mm
5004.1000: 115 x 65 x 40 mm
5004.2000: 115 x 65 x 40 mm

Weight: 5004.0000: approx. 75 g
5004.1000: approx. 190 g
5004.2000: approx. 190 g

ORDERING CODE

Barosensor **5004.0000**
with piezoresistive sensing element

Barosensor **5004.1000**
with piezoresistive sensing element,
with amplifier 0...5 V output

Barosensor **5004.2000**
with piezoresistive sensing element,
with amplifier
0...5 V and 4...20 mA output

Technical data are subject to change!



Barosensor

GROUP 5

PRESSURE

NO.

5004.0000

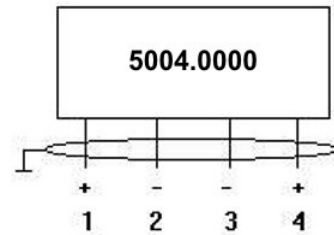
VERSION / DATE

16 / 10.2017

CONNECTION PLAN

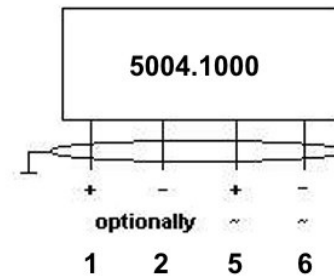
VERSION 5004.0000

Wire No.	Colour	Connection
1	yellow	output 0.3...4.9 V DC, load >10 kΩ
2	green	minus output
3	blue	minus supply
4	red	supply 8...24 V DC
	green-yellow	screen



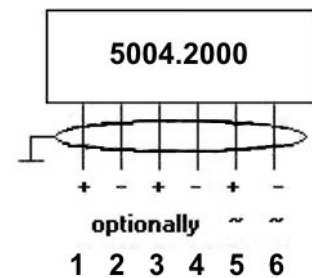
VERSION 5004.1000

Wire No.	Colour	Connection
1	yellow	output 0...5 V DC, load >10 kΩ
2	green	minus output
5	red	supply 10...28 V DC optional 24 V AC ± 10 %
6	blue	minus supply optional 24 V AC
	green-yellow	screen



VERSION 5004.2000

Wire No.	Colour	Connection
1	yellow	output 5 V
2	green	minus 5 V
3	red	output 20 mA; load 0...500 Ω
4	black	minus 20 mA
5	white	supply 13...28 V DC optional 13...24 V AC
6	brown	supply ground optional 13...24 V AC
	green-yellow	screen



ATTENTION: —————
No reverse polarity protection!

Technical data are subject to change!