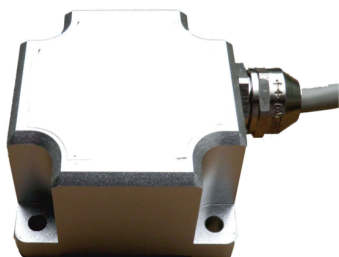


Inclinometer PEI-S-103-xx-U(RS485)

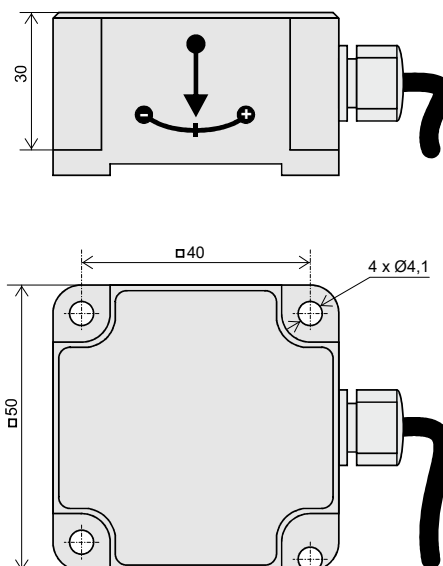


- Platform leveling control, tilt measuring in industrial and laboratory applications
- High sensitivity and resolution
- Digital signal processing and filtering
- Analogue or digital output
- Robust duralumin case
- IP67 covering

Specification

Measuring range (F.R.)	± 0.5 to $\pm 30^\circ$ (1° to 60°)
Nonlinearity (from F.R.)	$< 0.5\%$
Sensitivity (from F.R.)	$< 0.02\%$
Resolution (from F.R.)	$< 0.02\%$
Time constant (*)	~ 1 s
Temperature nonstability $-20 \dots +50^\circ\text{C}$	< 400 ppm/ $^\circ\text{C}$
Cross sensitivity (from F.R.)	max. 1%
Available outputs	0-5V or RS485
Operation temperature range	$-20 \sim 60^\circ\text{C}$
Storage temperature range	$-40 \sim 80^\circ\text{C}$
Covering	IP67
Power supply	7~30 VDC
Current consumption (with voltage output)	up to 10 mA
Current consumption (with digital output)	up to 40 mA
Weight (without cable)	~ 200 g.

* measured on 20°C



Order information

PEI-S-103-1-**XX**-**X**-**X**

Full range of tilt measuring (F.R.)			
1.0	$\pm 0.5^\circ$	20	$\pm 10^\circ$
2.0	$\pm 1^\circ$	30	$\pm 15^\circ$
4.0	$\pm 2^\circ$	40	$\pm 20^\circ$
10	$\pm 5^\circ$	60	$\pm 30^\circ$

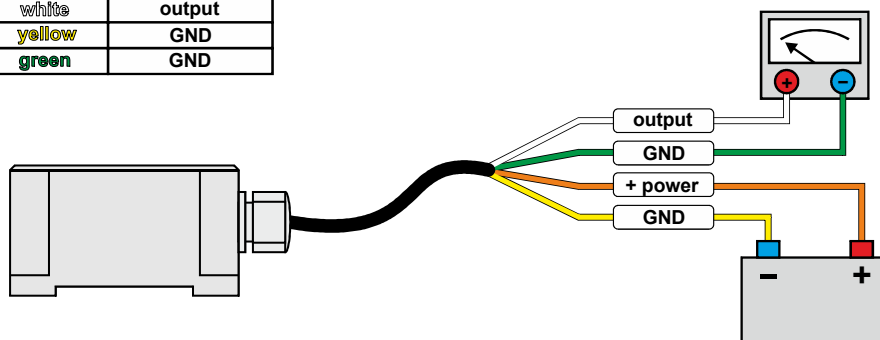
Output range	
U	0~5V
RS485	RS485

Cable connection	
1	Connection with cable gland (option 1)
2	Connection with connector (option 2)

Inclinometer PEI-S-103-xx-U(RS485)

Analogue output connecting

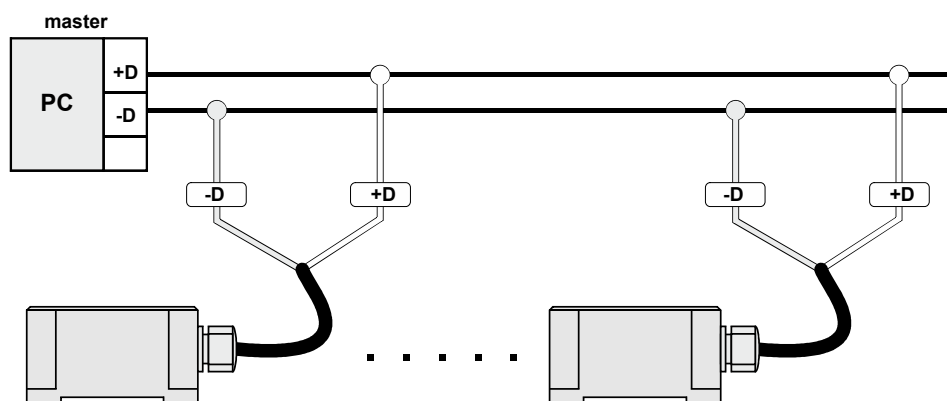
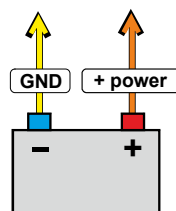
Order code: PEI-S-103-1-x	
brown	+ power
white	output
yellow	GND
green	GND



Working position horizontal only!

Output connection with RS485 interface

Order code: PEI-S-103-1-xx-RS485	
brown	+ power
white	+D
yellow	-D
green	GND



We are here for you. Addresses and Contacts.

Headquarter Switzerland:

Angst+Pfister Sensors and Power AG
Thurgauerstrasse 66
CH-8050 Zurich
Phone +41 44 877 35 00
sensorsandpower@angst-pfister.com

Office Germany:

Angst+Pfister Sensors and Power Deutschland GmbH
Edisonstraße 16
D-85716 Unterschleißheim
Phone +49 89 374 288 87 00
sensorsandpower.de@angst-pfister.com

Office North America:

Angst+Pfister North America Inc.
10391 Brecksville Rd.
US-Brecksville, OH 44141
Phone +1 440 375-5212
info.apus@angst-pfister.com

Scan here and get an overview of personal contacts!



<https://sensorsandpower.angst-pfister.com/en/>
