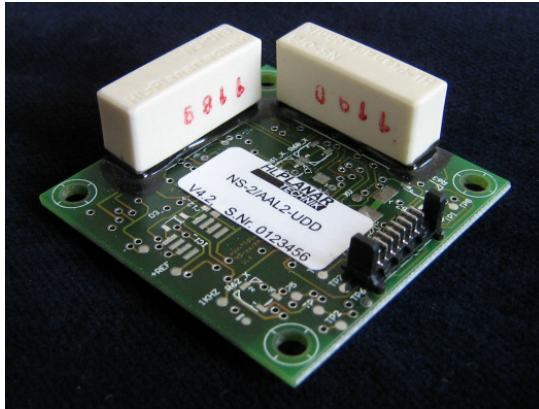


NS – 2 / AAL2 - UDD

Biaxial inclination sensor

Measurement range $\pm 2^\circ$

**Output analogue voltage
 + Temperature**



Product information

This biaxial conductive AAL-series' inclination sensor offers a fully calibrated inclination sensor module on a FR4-Board, being highly suitable for customer specific applications due to its characteristic curve's linearization and temperature compensation.

The sensor provides voltage output depending on the inclination angle and related to the specific axis, as well as a voltage based temperature output signal. An integrated E²-Prom contains data on the characteristic curve resp. calibration data. This allows for a high integration into a specific application with excellent performance regarding accuracy and long-term stability.

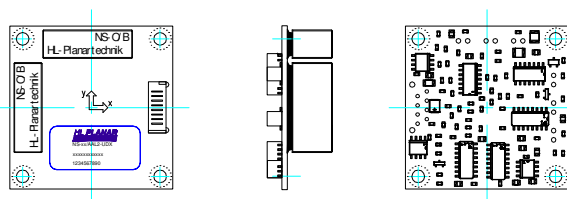
Applications:

- All kinds of leveling
- Mobile weighing
- Lifting platform
- Adjustment of machines
- Stationary und mobile cranes

Key characteristics:

- Robust technology
- High reliability
- Easy handling
- Excellent cost/performance ratio
- Temperature output signal
- Calibration data inside E²-Prom

Mechanical Dimensions:



Technical data:

• Measurement axis(x-y)	2
• Measurement range	$\pm 2^\circ$
• Resolution	0.001°
• Accuracy	0.02° [RT]
• Output analogue (x-y)	0.3... 4.7 V
• Temperature output	0.3... 4.7 V
• Non-linearity	1% [FS]
• Temperature drift offset	8 mV
• Cross sensitivity	0.14%/[FS]
• Power voltage supply	+ 5 VDC
• Current consumption	15 mA
• Operation temperature range	- 40.....+85 °C
• Storage temperature	- 40.....+85 °C
• Weight	19g
• Dimensions	45 x 45 x 21mm

Ordering information:

NS – 2/ AAL2 - UDN Part-No.: 2.000.252.117.000

**20cm ribbon cable, with
8 Pin Molex connector,**

Picoflex PF- 50 (1.27) Part-No.: 200.000.000.406