



CAN-Inclinometer

Extreme compact inclinometer with CAN-interface, to be used in mobile machines.

The Inclinometers are manufactured without any moving parts, they are suitable to be used in mobile applications with extreme shocks and vibrations. The compact design admits the mounting on nearly every location. The available measuring ranges have been especially aligned to the requirements of cranes and aerial work platforms. 2xM12-connectors with passing CAN-Bus.

Technical data

Measuring ranges

- One axis, 360°
- Two axes, +/- 20°
- Two axes, +/- 45°
- Two axes, +/- 60°

Analog output

- Current output: 4 ... 20 mA
- Mid current: 12 mA +/- 0,1 mA
- Measuring tolerance: 0,4 %
- Operating voltage: 9 ... 30 V
- Operating temperature: -40 °C ... +85 °C

CAN-Bus-interface

- High speed CAN-Bus-interface with CANopen-Protocol
- Baud rates: 20 kBit/s ... 1 MBit/s
- 2 M12 connectors (CAN-in, CAN-out)
- Operating voltage: 10 ... 30 V
- Operating temperature: -40 °C ... +80 °C

General:

- Shock and vibration proof
- EMC-proof according to automotive standards
- Environmental protection according to IP67
- Dimensions: 91 mm x 61 mm

Order codes

Inclinometer

- | | |
|----------------------------|-------------|
| CAN-Bus, one axis, 360° | 4305.18.360 |
| CAN-Bus, two axes, +/- 20° | 4305.18.020 |
| CAN-Bus, two axes, +/- 45° | 4305.18.045 |
| CAN-Bus, two axes, +/- 60° | 4305.18.060 |

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|--------------------------------|-------------|
| 4 ... 20 mA, one axis, +/- 20° | 4305.19.020 |
| 4 ... 20 mA, one axis, +/- 45° | 4305.19.045 |
| 4 ... 20 mA, one axis, +/- 60° | 4305.19.060 |

Accessories

- | | |
|---------------------------|---|
| CAN-Bus cable set | 4308.32.043 |
| | <small>CAN-cable, 2 m, M12-socket/M12-connector</small> |
| Analog cable set | |
| Further cables on request | |
| Terminating resistor | 4305.85.001 |
| | <small>CAN-Bus terminator, M12-connector</small> |
| | 4305.85.002 |
| | <small>CAN-Bus terminator, M12-socket</small> |

Fig.: The image shows the CAN-Bus-Cable and the CAN-connector with integral CAN-Bus-load resistance.