

NS-15/CAN Inclinometer

Dual Axis Inclinometer
Measurement Range $\pm 15^\circ$
Digital Output CAN



The **CAN-Series** of conductive inclinometers offers modern SMD-technology in environmentally protected and robust aluminum housing. The inclinometer achieves high accuracy over a wide temperature range. The fast microcontroller works with a linearization and temperature compensation routines. This fully calibrated inclinometer is available with digital output signals via CANopen.

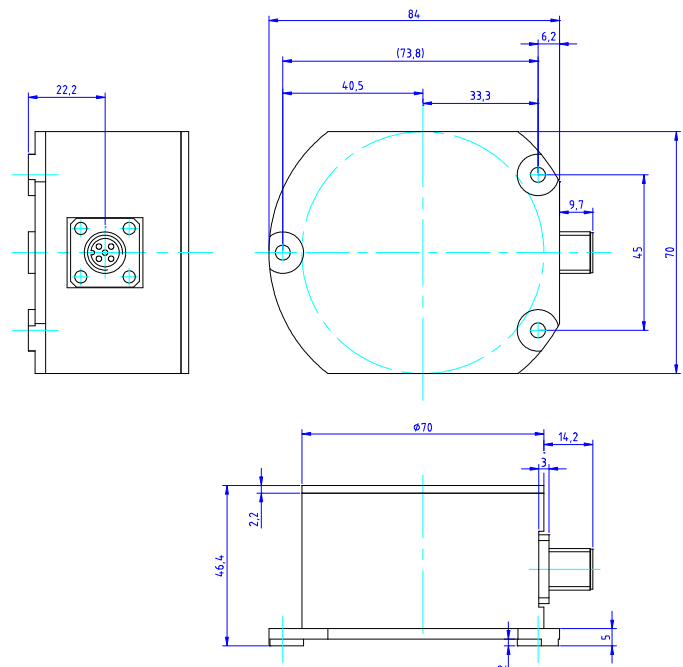
FEATURES

- High accuracy
- Robust metal housing
- High resolution
- EMC protected
- CE approved
- Protection Class IP 67
- Rugged 5 pins female M 12 connector
- Digital filtering

APPLICATIONS

- Building control
- Road construction machines
- Wind power
- Weighing systems
- Mobile and stationary cranes

dimensions [mm]



performance specifications

PARAMETERS

	Conditions	Min	Type	Max	Unit
Measurement range		-15		+15	°
Resolution		0.001			°
Accuracy (absolute)	Ta = 25 °C		0.08		°
Accuracy (absolute)	Ta = -40 °C ...+85 °C		0.15		°
Offset temperature drift error	Ta = -40 °C...+85 °C		0.06		°
Baud rate (1)		10		250	kBit/s
Frequency response			2	3	Hz
Noise RMS			0.001		°
Current consumption			20		mA
Power supply		10		30	VDC
Operation temperature range		-40		+85	°C
Storage temperature range		-40		+85	°C
Weight			280		g
Dimensions	W x D x H		84 x 70 x 46		mm

(1) programmable

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ordering info

PART NUMBERING	UNIT	SHORT DESCRIPTION
G-NSCAN-001	NS-15/CAN	Range +/-15°, Vcc 10...30VDC, output CANopen
G-NSMIS-038	connection	2 m cable, straight connector 763-series, 5 pins
G-NSMIS-039	connection	2 m cable, angle 90° connector 763-series, 5 pins
Other cable length on request		