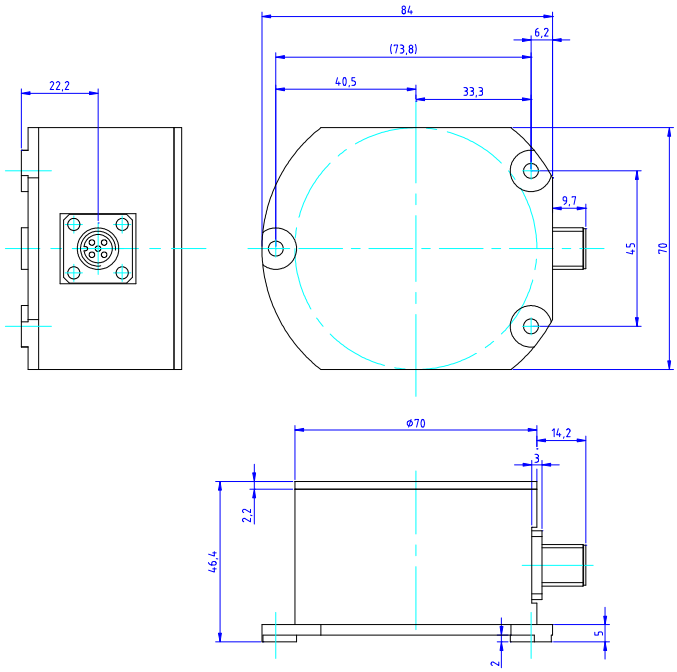
NS-15/CAN Inclinometer

Dual Axis Inclinometer
Measurement Range +/-15°
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.

dimensions [mm]



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

NS-5/DMG2-X Inclinometer

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
Frequence 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

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
Oher cable lenght on request		