PGT-12-Pro
Other accessories

ACCESSORIES

SICK
Sensor Intelligence.

Ordering information

Typ	Artikelnr.
PGT-12-Pro	1076313

Description

The PGT-12-P is a light and compact programming device for absolute encoders with CANopen interface as well as inclination sensors with CANopen and analog interface from SICK. Because it has an integrated voltage supply, it is able to work in a fully self-contained manner and is thus particularly suitable for mobile use in customer service. Various parameters for encoders and inclination sensors can be saved in the internal memory bank or on an SD card. Firmware updates provide new encoder functions and variants. That is why the PGT-12-Pro has a long operational lifetime, therefore offering an optimal price/performance ratio.

Features

- Compact programming device with large display for inclination sensors and absolute encoders with CANopen interface
- First portable programming device for sensors with CANopen interface
- Simple sensor parameter cloning
- Storage of configurations on SD card
- Firmware update via SD card for adding new functions and sensor families
- Intuitive menu structure and menu language options

Benefits

- Programming of AHS/AHM36 CANopen and inclination sensors with CANopen and analog interfaces with just one device
- Easy modification of node ID, baud rate and sensor parameters without PLC software
- Fast exchange of encoders and inclination sensors
- Low weight and compact dimensions for mobile use
- Can be used immediately without installing software or hardware
- Large, intuitive display, making extra training for operating personnel unnecessary
- Can be used worldwide thanks to the availability of various menu languages and is easy to operate
- Cloning function saves time and reduces programming errors

Technical data in detail

Performance

Programmable parameters:	
AHS/AHM36 CANopen	Node ID, baud rate Single turn resolution, total measuring range, counting direction, preset value, round axis functionality, configuration for speed calculation, limits for speed/temperature/voltage, handling/reset of diagnosis information, etc. PDO transmission, PDO mapping, node guarding, heartbeat, etc.
TMS/TMM CANopen	Node ID, baud rate X-and Y-axis zeroset, inversion of counting direction, digital filters, etc. PDO transmission, node guarding, heartbeat, etc.
TMS/TMM Analog	X-and Y-axis zeroset, inversion of counting direction, digital filters, axis assignment, etc.
Additional properties:	Simple cloning of encoder/inclination sensor parameters Exchange of configurations via SD card Can be updated to new encoders/inclination sensor variants and functions Various menu languages available
Programmable SICK encoders	
CANopen	AHS36x-xxCx0xxxxx AHM36x-xxCx0xxxxx TMS61B-xCHxxx TMM61B-xCHxxx TMS88B-xCCxxx TMM88B-xCCxxx TMS88A-xCIxxx TMM88A-xCIxxx
Analog	TMS88B-xKCxxx TMM88B-xKCxxx TMS88B-xLCxxx TMM88B-xLCxxx TMS88A-xKCxxx TMM88A-xKCxxx TMS88A-xLCxxx TMM88A-xLCxxx

Electrical data

Connection	9-pin SUB-D male connector
Power supply	4 x 1.5 V Micro (AAA)

Mechanical data

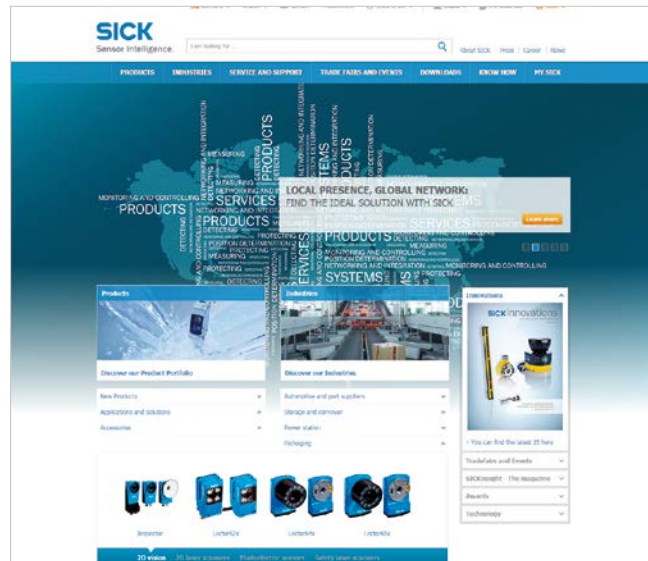|	
Display	LCD with background lighting, 4 lines, 16 characters per line
Dimensions	(L x W x H) 100.0 mm x 81.0 mm x 32.5 mm
Weight	210 g (including batteries)

Environmental data

Enclosure rating	IP 40
Operating temperature range	0 °C ... +40 °C
Storage temperature range	−20 °C ... +85 °C, without packaging

Recommended accessories

	Short description	**Type**	**Part no.**
Adapter cable			
	Adapter cable for encoders and inclination sensors with CANopen interface and M12	DDL-2D05-G0M5BC9	2083805
	Adapter cable for inclination sensors with analog interface and M12	DDL-2D05-G0M5BC8	2083831
	Adapter cable for encoders with CANopen interface and cable outlet	DDL-0D04-G0M5BC9	2083355

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SICK is a leading manufacturer of intelligent sensors and sensor solutions for industrial applications. With more than 7,400 employees and over 50 subsidiaries and equity investments as well as numerous agencies worldwide, we are always close to our customers. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

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Detailed addresses and further locations ➔ **www.sick.com**

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