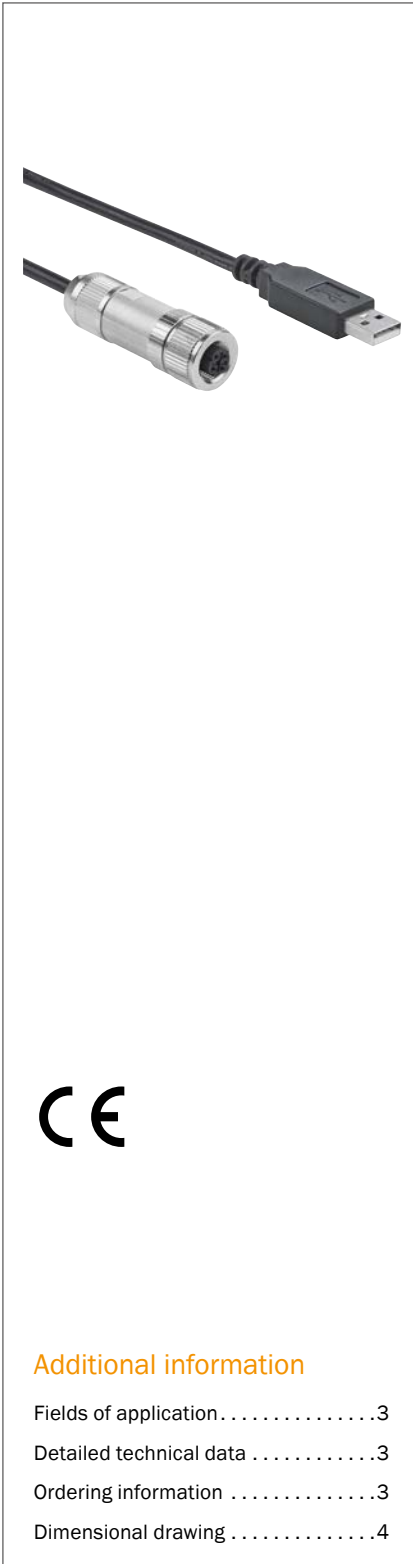# PGT-14

PARAMETERIZATION AND DIAGNOSTICS FOR NON-CONTACT MOTION SENSORS

Tools

PARAMETERIZATION AND DIAGNOSIS OF NON-CONTACT MOTION SENSORS

Product description

The PGT-14 compact programming device was specially designed for use with SPEETEC 1D programmable non-contact motion sensors. It is used for connecting the sensors to the SOPAS ET configuration software from SICK using a laptop or PC. Thanks to the intuitive user interface in the tool, the basic functions of the sensors can be easily parameterized. The digital inputs and outputs are also configurable, which means that, among other things, the length of piece goods can be measured directly in the sensor. The integrated diagnostic options also allow for condition monitoring of the SPEETEC 1D. The result: Maximum transparency of sensor data and complete monitoring of the application.

At a glance

- Monitoring of measurement quality in applications
- Monitoring of sensor condition concerning temperature and operating hours
- Parameterization of digital inputs and output and logic functions
- Parameterization of electric interface, resolution and direction of movement
- Use with the SOPAS Engineering Tool from SICK

Your benefits

- Application data diagnostics result in reliable measurement accuracy and transparency for the application and the production process
- Monitoring of sensor condition prevents unplanned failures and ensures high product availability
- Parameterization of digital inputs and outputs enables length measurement with trigger sensors and control of follow-up actions without controller knowledge
- Parameterization of sensor properties reduces required stock, shortens delivery times and increases flexibility
- SOPAS ET, a powerful and standardized software, is available

CE

Additional information

➜ www.sick.com/1121562

For more information, simply enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples, and much more.

Fields of application

- Parameterization and diagnostics of SPEETEC 1D in the programmable variant
- Development: Sensor evaluation
- Sales: Customer consultation and sensor demonstration

- OEMs and distributors: Adjustment to specific application requirements
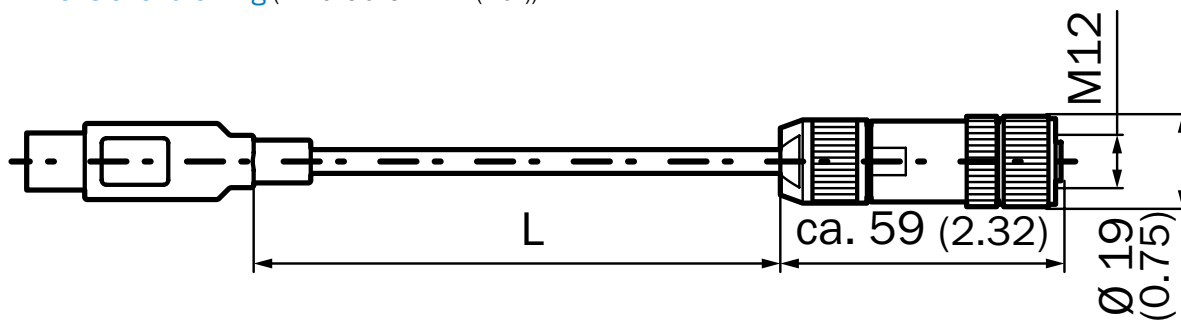
Detailed technical data

Description	PC programming device for programmable SPEETEC 1D. Connects the configuration connection of SPEETEC 1D programmable sensors to a PC / laptop, enabling parameterization and diagnostics via SOPAS ET. The interface is not designed as a permanent connection. The length of the programming device must not be extended.
Suitable for	Suitable for programmable versions of NCV50B
Items supplied	1x programming device PGT-14
System requirements	PC or laptop with USB 2.0 SICK SOPAS ET (from version 2021.2) Device file for SPEETEC 1D The sensor must also be supplied with a suitable voltage source via the signal connection.
Connection type on sensor side	Female connector, M12, 4-pin, straight, D-coded
Connection type PC-side	USB-A
Cable length	approx. 1.7 m
Operating temperature range	-40 °C ... +85 °C

Ordering information

Type	Part no.
PGT-14	1121562

Dimensional drawing (Dimensions in mm (inch))

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SICK AT A GLANCE

SICK is a leading manufacturer of intelligent sensors and sensor solutions for industrial applications. With more than 10,400 employees and over 50 subsidiaries and equity investments as well as numerous agencies worldwide, SICK is always close to its 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.

SICK has extensive experience in various industries and understands their processes and requirements. With intelligent sensors, SICK delivers exactly what the customers need. In application centers in Europe, Asia, and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes SICK a reliable supplier and development partner.

Comprehensive services round out the offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

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

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