HW191x

Reliable 2D code identification for challenging industrial applications
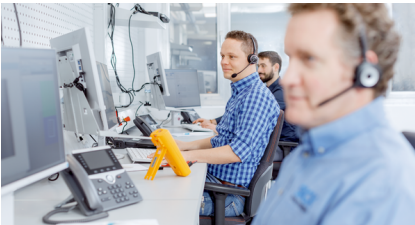
SICK
Sensor Intelligence.

Advantages

SICK LifeTime Services

SICK's services increase machine and plant productivity, enhance the safety of people all over the world, provide a solid foundation for a sustainable business operation, and protect investment goods. In addition to its usual consulting services, SICK provides direct on-site support during the conceptual design and commissioning phases as well as during operation.

The range of services not only covers aspects like maintenance and inspection, but also includes performance checks as well as upgrades and retrofits. Modular or customized service contracts extend the service life of plants and therefore increase their availability. If faults occur or limit values are exceeded, these are detected at all times by the corresponding sensors and systems.

Consulting and design
Application-specific advice on the product, its integration and the application itself.

commissioning and maintenance
Application-optimized and sustainable — thanks to professional commissioning and maintenance by a trained SICK service technician.

service contracts
Extended warranty, SICK Remote Service, 24-hour helpdesk, maintenance, availability guarantees and other modular components can be individually combined on request.

Technical data overview

Application	Industrial application
Readable code structures	1D codes, 2D codes, Stacked
Code resolution	≤ 0.127 mm [1] ≤ 0.191 mm [2]
Reading distance	15 mm ... 749 mm
Sensor	838 x 640 px
Ambient operating temperature	–30 °C ... +50 °C (depending on type)
Enclosure rating	IP65
Shock resistance	50 drop tests onto concrete from a height of 2 m at –30 °C
Ethernet	✓, TCP/IP, Optional, over external connection module / ✓, TCP/IP, optional over external fieldbus module (depending on type)
PROFINET	✓, optional over external fieldbus module
EtherCAT	✓, optional over external fieldbus module
Serial	✓, RS-232 TTL
PROFIBUS DP	✓, optional over external fieldbus module
DeviceNet™	✓, Optional, over external connection module
USB	✓
PS/2	✓
Bluetooth	✓

[1] Valid for Code 39.

[2] Valid for Data Matrix code.

Product description

The HW191x mobile hand-held scanner securely and reliably identifies not only two-dimensional codes but also all standard linear and stacked one-dimensional bar codes. Rugged housing with IP65 enclosure rating enables the mobile hand-held scanner to withstand even adverse ambient
conditions. At the same time, however, it is light, easy to hold, and can be used simply and intuitively due to its triple read feedback via LED, beeper, and vibration. The wireless variants deliver flexibility and mobility. SICK can provide connection modules for integration into industrial fieldbuses such as PROFIBUS or Ethernet TCP/IP. The combination of reliable code reading, rugged design, and SICK connectivity facilitates use in an extremely wide range of industrial applications.

At a glance

- Identification of all standard 1D, stacked, and 2D codes
- Reliable, secure, and fast code reading
- Rugged housing with IP 65 enclosure rating
- Supports all standard wired and wireless interfaces as well as industrial fieldbuses through SICK connectivity
- Good read feedback via LED, beeper, and vibration

HW191x

Your benefits

- Scanning technology optimized specifically for industrial applications with significant scanning requirements and reading distances of up to 75 cm
- Quick and reliable identification even on low-contrast or highly reflective codes and in harsh industrial environments
- Simple and flexible integration into industrial fieldbus networks using SICK connectivity
- Highly reliable (e.g., in cold-storage warehouses with temperatures as low as –30° C) thanks to IP65 enclosure rating and rugged housing
- Wide range of accessories and easy configuration options for maximum convenience
- Simple and intuitive operation through multiple read confirmation

Fields of application

- Production control and traceability of products or components in the automotive, electronics, solar and consumer goods industries
- Warehouses and distribution centers, e.g., for incoming goods, order picking, and dispatch

Ordering information

Other models and accessories ➜ www.sick.com/HW191x

- **Readable code structures:** 1D codes, 2D codes, Stacked
- **Reading distance:** 15 mm … 749 mm
- **Code resolution:** ≤ 0.127 mm (Valid for Code 39.),, ≤ 0.191 mm (Valid for Data Matrix code.)
- **Application:** Industrial application
- **Note:** Additional accessories may be necessary for some communication interfaces (details available online)

Scanner design	Items supplied	Communication interface	Ambient operating temperature	Type	Part no.
Cable connection variant	Kit	USB, Serial, PS/2	–30 °C … +50 °C	HW1910IER-3USB KIT	6063834
	Single scanner	Ethernet, PROFINET, EtherCAT®, Serial, PROFIBUS DP, DeviceNet™, USB, PS/2	–30 °C … +50 °C	HW1910IER-3	6052563
Wireless variant	Kit	USB, Bluetooth, Serial, PS/2	–20 °C … +50 °C	HW1911IER-3USB-5 KIT	6052572
	Single scanner	Serial, PS/2, Ethernet, PROFINET, PROFIBUS DP, Bluetooth	–20 °C … +50 °C	HW1911IER-3	6052571

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. 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.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our 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 us a reliable supplier and development partner.

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

For us, that is "Sensor Intelligence."

WORLDWIDE PRESENCE:

Contacts and other locations –**www.sick.com**

SICK AG | Waldkirch | Germany | www.sick.com

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