



## HW191x

Reliable 2D code identification for challenging industrial applications

MOBILE HAND-HELD SCANNERS

**SICK**  
Sensor Intelligence.

### Advantages

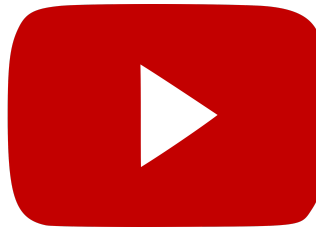


### Integration into industrial networks

Modular connectivity enables integration into many fieldbus technologies: PROFIBUS DP, PROFINET IO, Ethernet TCP/IP, EtherCAT®, DeviceNet™. For use in systems such as fixed 1D bar code scanners, 2D cameras, and RFID reading devices, the AUX connectivity offers a cost-effective solution.



Especially when it comes to stationary track and trace systems, manual mobile code reading is often required as a back-up – this can be done economically with AUX loop-in.



This video tutorial gives an example of the materials and steps required for integration in a fieldbus network.



Easy PROFIBUS integration into large track-and-trace systems with the CDF600 fieldbus module.



### Simple integration into numerous fieldbus technologies and AUX loop-in for identification systems using modular connectivity



### Reliable 2D code identification for challenging industrial applications

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 allows it to withstand adverse am-

bient conditions. At the same time, however, the mobile hand-held scanner 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 connectivity facilitates use in an extremely wide range of industrial applications.



Data collection in production: Traceability of products and processes with reliable code identification.



For detection of tires in factory automation: High precision thanks to enclosure rating IP65 and rugged housing.



Thanks to the 75 cm reading distance, codes on piece goods and pallets can be conveniently identified from manned forklift trucks.



**Compact, rugged and shock resistant for harsh and demanding day-to-day work in industrial environments**

## 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

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

<sup>1)</sup> Valid for Code 39.

<sup>2)</sup> 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

### 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](http://www.sick.com/HW191x)

- **Sub product family:** HW1910i Corded
- **Version:** Extended Range Focus
- **Codes/data cards:** 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.)

Items supplied	Communication interface	Type	Part no.
Kit	USB, Serial, PS/2	HW1910IER-3USB KIT	6063834
Single scanner	Ethernet, PROFINET, EtherCAT®, Serial, PROFIBUS DP, DeviceNet™, USB, PS/2	HW1910IER-3	6052563

- **Sub product family:** HW1911i Cordless
- **Version:** Extended Range Focus
- **Codes/data cards:** 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.)

Items supplied	Communication interface	Type	Part no.
Kit	USB, Bluetooth, Serial, PS/2	HW1911IER-3USB-5 KIT	6052572
Single scanner	Serial, PS/2, Ethernet, PROFINET, PROFIBUS DP, Bluetooth	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](http://www.sick.com)