IDM12x

The entry level scanner

MOBILE HAND-HELD SCANNERS

SICK
Sensor Intelligence.

IDM12x
MOBILE HAND-HELD SCANNERS

Advantages

Reliable code reading has never been more convenient

The IDM12x is a cost-effective yet flexible introductory model in the IDM1xx device series. This mobile hand-held scanner is more than just a contact scanner compared to similar products. It can also identify 1D bar codes up to 120 mm wide and at a maximum reading distance of 40 cm. A read rate of 300 scans per second not only reduces the required scan time but also increases the throughput. The IMD12x impresses with its ergonomic design, a weight of only 106 g as well as various presentation modes. It can be easily integrated thanks to the variety of interfaces it supports, such as USB and RS-232. The combination of performance, durability, ease of use, and attractive price make the IDM12x a great choice.

Use of cassette systems: A wide range of code types can be quickly and correctly identified with just one device; manual data entry is no longer necessary.

The mobile hand-held scanner is suitable for reading 1D codes during the logging of consignments.

Time-saving use in presentation mode: Tedious actuation of the trigger switch is no longer necessary.

+ Cost effective: Sufficient performance and resilience for simple tasks in the fields of point of sales or general office automation

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	General Purpose
Readable code structures	1D codes
Code resolution	0.1 mm
Reading distance	0 mm ... 400 mm [1]
Ambient operating temperature	−10 °C ... +50 °C
Enclosure rating	IP41
Shock resistance	25 drops from 1.5 m height on concrete
Ethernet	✓, TCP/IP, Optional, over external connection module
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	✓

[1] For details see reading field diagram.

Product description

The IDM12x is a cost-effective, flexible introductory model in the IDM1xx mobile hand-held scanner series. The IDM12x is more than just a contact scanner compared to similar products. It can also identify bar codes up to 120 mm wide and at a maximum reading distance of 25 cm. A read rate of 300 scans per second not only reduces the required scan time but also increases the throughput. The ergonomic design, its light weight of just 106 g, and various presentation modes make this device a top choice for users. The scanner meets enclosure rating IP 41 and can withstand multiple drops from a medium height. The device can be easily integrated into existing systems thanks to the variety of interfaces it supports, such as PS/2, USB, and RS-232. The combination of performance, durability, ease of use, and low cost make the IDM12x a great choice with the flexibility to carry out various simple tasks in fields such as point of sales, clinical analysis, and general office automation.

At a glance

- Reading at contact and distances up to 400 cm
- Identification of all popular 1D codes
- Scan rate up to 300 scans/second
- Withstands 25 drops from 1.5 m height
- Extremely lightweight, only 106 g
- Connection as PS/2 and USB keyboard wedge, serial USB or via RS-232 TTL
- Enclosure rating IP 41

Your benefits

- Low-cost solution for identifying various code sizes
- Designed for contact and close-range detection, providing flexible operation
- High degree of user comfort thanks to ergonomic housing design, light weight, and optional presentation mode
- The most popular industrial interfaces allow flexible connectivity to PS/2, USB and RS-232 TTL, for example
- Increased productivity thanks to short scan time
- Reliable identification reduces the need to manually input data

Fields of application

- Quick data entry through simple reading of product labels at sales or service points
- Time-saving office automation by reading document bar codes for easy archiving of documents

Ordering information

Other models and accessories ➜ www.sick.com/IDM12x

- **Sub product family:** IDM120 Corded
- **Version:** Standard Range
- **Codes/data cards:** 1D codes
- **Reading distance:** 0 mm … 400 mm (For details see reading field diagram.)
- **Code resolution:** 0.1 mm

Items supplied	Communication interface	Type	Part no.
Kit	USB	IDM120-3 USB Kit	6050056
Single scanner	Ethernet, PROFINET, EtherCAT®, Serial, PROFIBUS DP, DeviceNet™, USB, PS/2	IDM12x-301B	6050059

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**

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