



Hand-held scanners
IDM12x / IDM120 Corded / General Purpose /
Standard Range

IDM120-301B



Model Name > **IDM120-301B**
Part No. > **6050059**

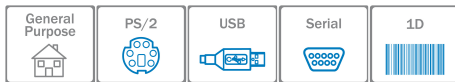


At a glance

- Reading at contact and distances up to 25 cm
- Identification of all popular linear bar codes, with PDF version, also PDF417
- 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
- IP41 enclosure rating

Your benefits

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



Features

Field of application:	General Purpose
Version:	Standard Range
Scanner design:	1D code hand-held scanner
Light source:	Visible red light (660 nm)
Code resolution:	0.1 mm ... 0.1 mm
Reading distance:	0 mm ... 400 mm ¹⁾
Scanning frequency:	≤ 300 Hz

¹⁾ For details see reading field diagram

Performance

Supported code type:	1D
Bar code types:	Codabar, Code 11, Code 128, Code 32, Code 39, Code 39 Trioptic, Code 93, German ITF Postal Code, HIBC, IATA, Interleaved 2 of 5, Limited/Expanded GS1 DataBar, Mainland China Postal Code, Matrix 2 of 5, MSI/Plessey, Standard and Industrial 2 of 5, Telepen, UCC/EAN-128, UK/Plessey, UPC/EAN/JAN (with addition), UPC-A, UPC-E

Interfaces

Serial:	✓
Function (serial):	RS-232 TTL
Ethernet:	✓
Protocol (Ethernet):	TCP/IP (optional via external connection module CDM + CMF), PROFINET (optional via external connection module CDF600-2), EtherCAT (optional via external connection module CDF600)
Remark (Ethernet):	Optional via external connection or fieldbus module
PROFINET:	-
PROFIBUS DP:	✓
Remark (PROFIBUS DP):	Optional via external connection module (CDF600-2)
DeviceNet:	✓
Remark (DeviceNet):	Optional via external connection module (CDM + CMF)
PS/2:	✓
Function (PS/2):	Keyboard wedge
USB:	✓
Function (USB):	Keyboard wedge, USB serial
Optical indicators:	1 LED (good read)
Acoustic indicators:	Beeper, disengageable
Vibration:	No
Configuration software:	IDM Setup Tool

Mechanics/electronics

Operating voltage:	5 V DC± 5 %
Power consumption:	Operation: typ. 170 mA, Standby: typ. 75 mA
Housing color:	Black
Enclosure rating:	IP 41
Weight:	106 g
Dimensions:	165 mm x 64.7 mm x 38.7 mm

Ambient data

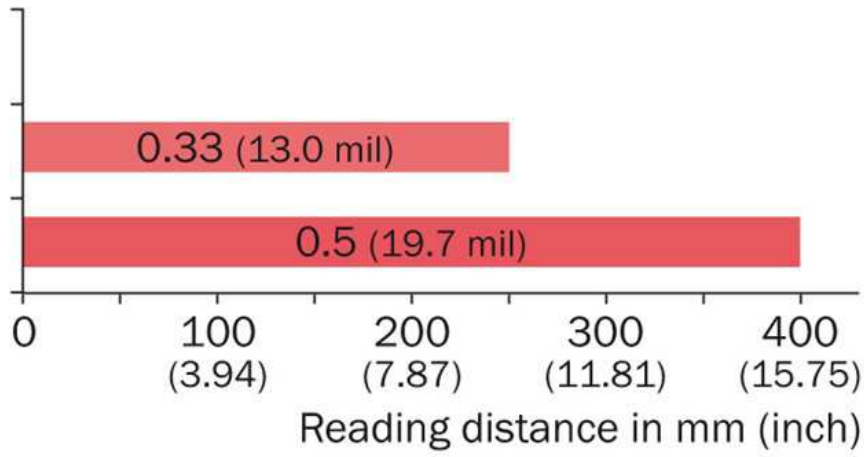
Ambient operating temperature:	0 °C ... +50 °C
Storage temperature:	-20 °C ... +60 °C
Permissible relative humidity:	± 95 %, non-condensing
Shock resistance:	25 drops From 1.5 m height on concrete
Ambient light immunity:	80,000 lx

General notes

Note:	For setting-up operation ia a connection cable and if necessary a power supply unit is additionally required.
-------	---

Reading field diagram

Code resolution in mm (mil)



Australia

Phone +61 3 9457 0600
1800 33 48 02 – tollfree
E-Mail sales@sick.com.au

Belgium/Luxembourg

Phone +32 (0)2 466 55 66
E-Mail info@sick.be

Brasil

Phone +55 11 3215-4900
E-Mail marketing@sick.com.br

Canada

Phone +1 905 771 14 44
E-Mail information@sick.com

Česká republika

Phone +420 2 57 91 18 50
E-Mail sick@sick.cz

China

Phone +86 4000 121 000
E-Mail info.china@sick.net.cn
Phone +852-2153 6300
E-Mail ghk@sick.com.hk

Danmark

Phone +45 45 82 64 00
E-Mail sick@sick.dk

Deutschland

Phone +49 211 5301-301
E-Mail info@sick.de

España

Phone +34 93 480 31 00
E-Mail info@sick.es

France

Phone +33 1 64 62 35 00
E-Mail info@sick.fr

Great Britain

Phone +44 (0)1727 831121
E-Mail info@sick.co.uk

India

Phone +91-22-4033 8333
E-Mail info@sick-india.com

Israel

Phone +972-4-6881000
E-Mail info@sick-sensors.com

Italia

Phone +39 02 27 43 41
E-Mail info@sick.it

Japan

Phone +81 (0)3 5309 2112
E-Mail support@sick.jp

Magyarország

Phone +36 1 371 2680
E-Mail office@sick.hu

Nederland

Phone +31 (0)30 229 25 44
E-Mail info@sick.nl

Norge

Phone +47 67 81 50 00
E-Mail sick@sick.no

Österreich

Phone +43 (0)22 36 62 28 8-0
E-Mail office@sick.at

Polska

Phone +48 22 837 40 50
E-Mail info@sick.pl

România

Phone +40 356 171 120
E-Mail office@sick.ro

Russia

Phone +7-495-775-05-30
E-Mail info@sick.ru

Schweiz

Phone +41 41 619 29 39
E-Mail contact@sick.ch

Singapore

Phone +65 6744 3732
E-Mail sales.gsg@sick.com

Slovenija

Phone +386 (0)1-47 69 990
E-Mail office@sick.si

South Africa

Phone +27 11 472 3733
E-Mail info@sickautomation.co.za

South Korea

Phone +82 2 786 6321/4
E-Mail info@sickkorea.net

Suomi

Phone +358-9-25 15 800
E-Mail sick@sick.fi

Sverige

Phone +46 10 110 10 00
E-Mail info@sick.se

Taiwan

Phone +886 2 2375-6288
E-Mail sales@sick.com.tw

Türkiye

Phone +90 (216) 528 50 00
E-Mail info@sick.com.tr

United Arab Emirates

Phone +971 (0) 4 88 65 878
E-Mail info@sick.ae

USA/México

Phone +1(952) 941-6780
1 (800) 325-7425 – tollfree
E-Mail info@sickusa.com

More representatives and agencies
at www.sick.com