



Hand-held scanners IDM120 / IDM120 Corded / general purpose / Short 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:	Short 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 (at code resolution):	0 mm ... 250 mm (0.33 mm)
Reading field (at distance):	120 mm (150 mm ≤)
Scanning frequency:	≤ 300 Hz

Performance

Supported code type:	1D
Bar code types:	Codabar, Code 11, Code 128, Code 32, Code 39, 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-A, UPC-E

Interfaces

Serial:	✓
Function (Serial):	RS-232 TTL
Ethernet:	✓
Remark (Ethernet):	Optional via external connection module (CDM + CMF)
CAN bus:	✓
Remark (CAN bus):	Optional via external connection module (CAN232)
PROFINET:	-
PROFIBUS DP:	✓
Remark (PROFIBUS DP):	Optional via external connection module (CDF)
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 (good read)
Vibration:	No

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

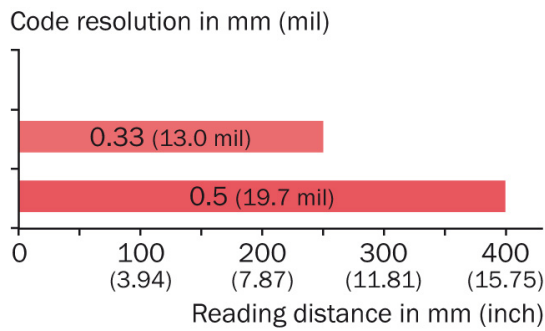
Ambient data

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

General notes

Note:	An interface cable and if necessary a power supply unit are additionally required for operation.
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Reading field diagram



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