



Hand-held scanners IDM160 / IDM160 Corded / industrial / Long Range

IDM160-01E



Model Name > [IDM160-01E](#)
Part No. > [6045078](#)



At a glance

- Identification of all popular 1D codes, with PDF version also stacked codes
- Compact housing with up to IP 65 withstanding 50 drops from 2 m on concrete
- Good read feedback via LED, beeper and vibrator
- Supports all popular corded and cordless interfaces as well as industrial fieldbuses via SICK connectivity
- Tool-free exchange of cable and battery
- Corded and cordless versions available

Your benefits

- Increased productivity and throughput thanks to fast and reliable identification
- Reduced costs thanks to 2-in-1 scan engine: covering standard and high-density codes with a single device
- High reliability thanks to industrial grade and rugged housing
- Intuitive good read feedback for noisy industrial environment via vibration, beeper and LED
- Higher user comfort through ergonomic housing design, well balanced and light weight
- High flexibility and operator mobility with corded and cordless versions
- Quick integration in most corded and cordless PC or industrial networks



Features

Field of application:	Industrial
Version:	Long Range
Scanner design:	1D code hand-held scanner
Light source:	Visible red light (630 nm)
Code resolution:	≥0.076 mm
Reading distance (at code resolution):	50 mm ... 800 mm (0.5 mm)
Reading field (at distance):	200 mm (200 mm)
Scanning frequency:	≤ 500 Hz

Performance

Supported code type:	1D
Bar code types:	Codabar, Code 11, Code 128, Code 32, Code 39, Code 93, German ITF Postal Code, Interleaved & Matrix 2 of 5, Limited/Expanded GS1 DataBar, Mainland China Postal Code, 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:	✓
Protocol (Ethernet):	PROFINET (optional via external connection module CDM)
Remark (Ethernet):	Optional via external connection module (CDM + CMF)
CAN bus:	✓
Remark (CAN bus):	Optional via external connection module (CAN232)
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, COM-Port emulation
Optical indicators:	2 LEDs (operational status, good read)
Acoustic indicators:	Beeper, disengageable (good read)
Vibration:	Yes

Mechanics/electronics

Operating voltage:	5 V DC± 5 %
Power consumption:	Operation (vibration activated): 230 mA, Operation (vibration deactivated): 180 mA, Standby: Typ. 90 mA
Housing color:	Blue, gray
Enclosure rating:	IP 65
Weight:	200 g, without cable
Dimensions:	104 mm x 76 mm x 185 mm

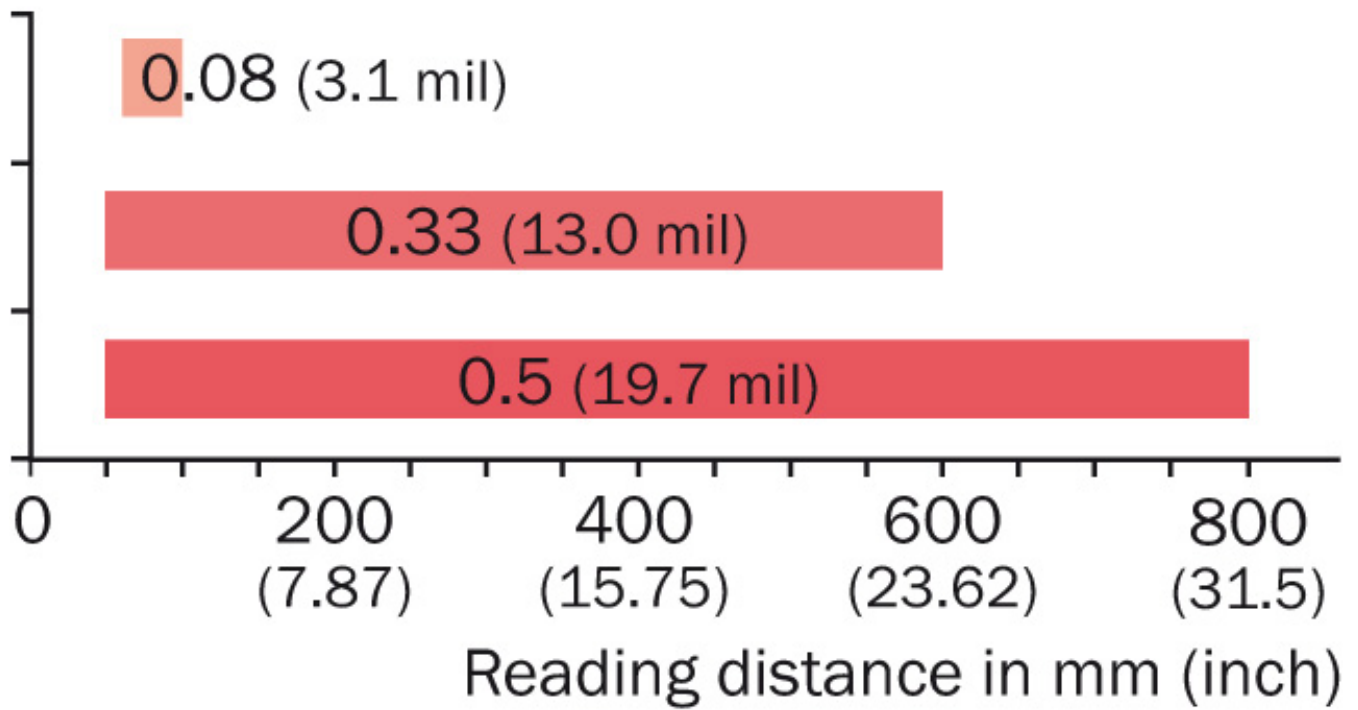
Ambient data

Shock resistance:	50 drops From 2 m height on concrete
Ambient operating temperature:	-20 °C ... 50 °C
Storage temperature:	-30 °C ... 70 °C
Permissible relative humidity:	± 95 %, non-condensing
Ambient light safety:	100,000 lx

General notes

Note:	An interface cable and if necessary a power supply unit are additionally required for operation.
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Code resolution in mm (mil)



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