



Hand-held scanners  
IDM16x / IDM161 Bluetooth / Industrial /  
Standard Range

IDM160-BT11E



**Model Name** > **IDM160-BT11E**  
**Part No.** > **6045085**



**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:	Standard Range
Scanner design:	1D code hand-held scanner
Light source:	Visible red light (630 nm)
Code resolution:	≥0.076 mm
Reading distance:	50 mm ... 800 mm <sup>1)</sup>
Scanning frequency:	500 Hz

<sup>1)</sup> For details see reading field diagram

**Performance**

Supported code type:	1D
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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
Battery power:	Over 45,000 scans with full battery
Code buffer:	5,000 Codes (EAN)

## Interfaces

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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
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
Bluetooth:	✓
Function (Bluetooth):	Wireless operating range up to 30 m (free view), batch function for expansion of the wireless radius, up to seven scanners communicate with one base station
Optical indicators:	2 LEDs (good read, charge of battery , radio connection status)
Acoustic indicators:	Beeper, disengageable (good read)
Vibration:	Yes
Configuration software:	IDM Setup Tool

## Mechanics/electronics

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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:	266 g, incl. rechargeable battery
Dimensions:	104 mm x 76 mm x 185 mm

## Ambient data

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

## General notes

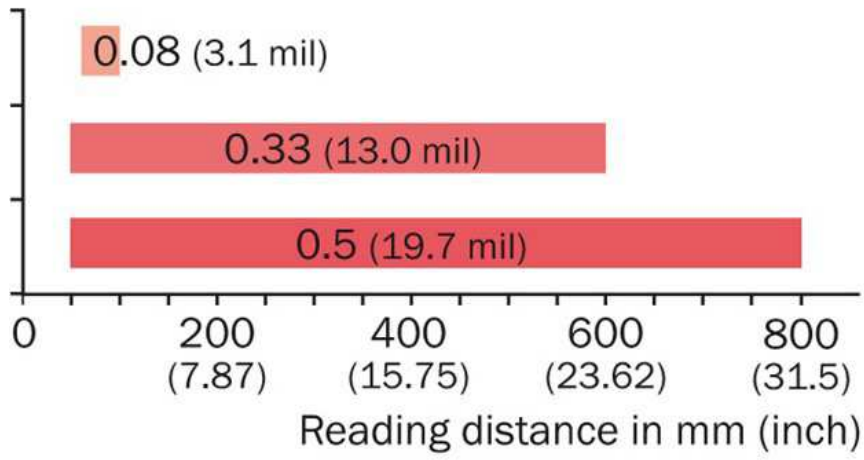
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Items supplied:	The battery is included in delivery
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Reading field diagram

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Code resolution in mm (mil)



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