



# IT6320 DPM

IT6xxx

HAND-HELD SCANNERS

**SICK**  
Sensor Intelligence.



### Ordering information

Type	Part no.
IT6320 DPM	6032814

Other models and accessories → [www.sick.com/IT6xxx](http://www.sick.com/IT6xxx)



### Detailed technical data

#### Features

<b>Version</b>	Standard Range
<b>Field of application</b>	Cordless, Industrial
<b>Scanner design</b>	2D DPM hand-held scanner
<b>Sensor</b>	1.280 x 960 px
<b>Lighting</b>	Integrated diffuser, configurable LED segments
<b>Aiming</b>	Horizontal, green aiming line
<b>Code resolution</b>	≥ 0.13 mm
<b>Reading distance</b>	0 mm ... 50 mm <sup>1)</sup>

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

#### Performance

<b>Supported code type</b>	1D, 2D, DPM, Stacked
<b>Bar code types</b>	EAN13, UPC-A, EAN8, UPC-E, Interleaved 2 of 5, Code 39, Code 128, Code 93, postal codes, RSS, UPU, UCC/EAN-128, Planet
<b>2D code types</b>	Data Matrix, QR code, MicroQR-Code
<b>Code alignment</b>	Omni-directional
<b>Battery power</b>	1,600 mAh, max. 57,000 scans, max. 12 h (continuous operation), max. 4 h charging time
<b>Code buffer</b>	500 Codes (UPC) at 12 characters

#### Interfaces

<b>Serial</b>	✓
Function	RS-232 TTL
<b>Ethernet</b>	✓, optional via external connection module (CDM + CMF)
<b>CAN bus</b>	✓, optional via external connection module (CAN232)
<b>PROFIBUS DP</b>	✓, Optional over external fieldbus module (CDF)
<b>DeviceNet</b>	✓, optional via external connection module (CDM + CMF)
<b>PS/2</b>	✓
Function	Keyboard wedge

<b>USB</b>	✓
Function	Keyboard wedge, COM-Port emulation
<b>Bluetooth</b>	✓
Function	Wireless operating range up to 10 m, batch function for expansion of the wireless radius
Protocol	Bluetooth™ V1.2 Class 2, 2.4 ... 2.4835 GHz
<b>Optical indicators</b>	2 LEDs (good read, charge of battery )
<b>Acoustic indicators</b>	Beeper, disengageable (good read, radio connection status)

### Mechanics/electronics

<b>Operating voltage</b>	3.6 V DC <sup>1)</sup>
<b>Housing</b>	Polycarbonat, with shock-absorbing rubber strips
<b>Housing color</b>	Red/gray
<b>Enclosure rating</b>	IP 54
<b>Weight</b>	330 g, incl. rechargeable battery
<b>Dimensions (L x W x H)</b>	134 mm x 84 mm x 175 mm

<sup>1)</sup> Rechargeable battery operation.

### Ambient data

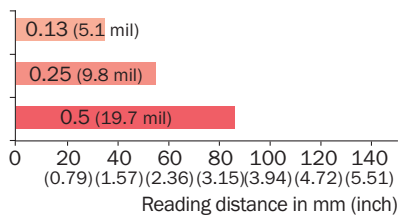
<b>Shock resistance</b>	25 drops from 2 m height on concrete
<b>Ambient operating temperature</b>	0 °C ... +50 °C
<b>Storage temperature</b>	-40 °C ... +60 °C
<b>Permissible relative humidity</b>	95 %, Non-condensing

### General notes

<b>Life cycle phase</b>	Discontinued
<b>Note</b>	For operation a base station with power supply and communication cable is additionally required


### Reading field diagram

Code resolution in mm (mil)



### Recommended accessories

Other models and accessories → [www.sick.com/IT6xxx](http://www.sick.com/IT6xxx)

	Brief description	Type	Part no.
Plug connectors and cables			
	Head A: female connector, D-Sub, 9-pin, straight Head B: male connector, RJ45 Cable: RS-422 TTL, unshielded, 2.4 m Voltage on pin 9 (42203758-03S)	RS-232 cable	6028186
	Head A: male connector, USB-A Head B: male connector, RJ45 Cable: USB, unshielded, 2.3 m	USB cable	6028232

## 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](http://www.sick.com)