



IT3820i SRE

IT3xxx

HAND-HELD SCANNERS

SICK
Sensor Intelligence.



Ordering information

Model name	Part no.
IT3820i SRE	6037212

Other models and accessories → www.sick.de/IT3xxx



Detailed technical data

Features

Field of application	Industrial, cordless
Scanner design	1D code hand-held scanner
Light source	Visible red light (630 nm)
Scanning frequency	≤ 270 Hz
Code resolution	≥ 0.127 mm
Reading distance	64 mm ... 1,110 mm ¹⁾

¹⁾ For details see reading field diagram.

Performance

Supported code type	1D
Bar code types	UPC-E, China Post, Codabar, Codablock, Code 2 of 5, Code 11, Code 39, Code 32 Pharmaceutical (PARAF), Code 128, EAN/JAN, IATA Code 2 of 5, Interleaved 2 of 5, Korea Post, Matrix 2 of 5, Coupon Code, MSI, Plessey Code, PosiCode, GS1 DataBar, Telepen, Code 39 Trioptic, UPC-A
Battery power	1,800 mAh, max. 57,000 scans, max. 20 h (standby), max. 16 h (continuous operation), max. 4 h charging time
Code buffer	500 Codes (UPC) at 12 characters

Interfaces

Serial	✓
Function	RS-232 TTL
Ethernet	✓, optional via external connection module (CDM + CMF)
CAN bus	✓, optional via external connection module (CAN232)
PROFIBUS DP	✓, optional via external connection module (CDF)
DeviceNet	✓, optional via external connection module (CDM + CMF)
PS/2	✓
Function	Keyboard wedge
USB	✓
Function	Keyboard wedge, COM-Port emulation

Bluetooth	✓
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
Optical indicators	1 LED (good read, charge of battery, radio connection status)
Acoustic indicators	Beeper, disengageable (to confirm reading)

Mechanics/electronics

Operating voltage	3.6 V DC ¹⁾
Enclosure rating	IP 54
Weight	272 g, incl. rechargeable battery
Dimensions	163 mm x 135 mm x 81 mm

¹⁾ Rechargeable battery operation.

Ambient data




Shock resistance	50 drops from 1.8 m height on concrete
Ambient operating temperature	0 °C ... +50 °C
Storage temperature	-40 °C ... +60 °C
Permissible relative humidity	± 95 %, non-condensing
Ambient light safety	70,000 lx, on bar code
Bar code print contrast (PCS)	≥ 20 %

General notes

Note	For operation a base station with power supply and communication cable is additionally required
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Recommended accessories

Other models and accessories → www.sick.de/IT3xxx

	Brief description	Model name	Part no.
Plug connectors and cables			
	Head A: male connector, USB-A Head B: male connector, RJ45 Cable: USB, unshielded, 2.3 m	USB cable	6028232
	Head A: male connector, Mini, 6-pin Head B: male connector, RJ45 Cable: unshielded, 2.4 m	Connection cable (male connector-male connector)	6012110
Rechargeable batteries and battery chargers			
	Radio base and charging station IT2020-5BE Bluetooth	IT2020-5BE	6029312

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