



IT4820i SRE

IT4xxx

HAND-HELD SCANNERS

SICK
Sensor Intelligence.



Ordering information

Model name	Part no.
IT4820i SRE	6034079

Other models and accessories → www.sick.de/IT4xxx



Detailed technical data

Features

Field of application	Cordless, Industrial
Scanner design	2D code hand-held scanner
Sensor	752 x 480 px
Light source	Visible red light (630 nm) Visible green light (530 nm, Aiming LED)
Code resolution	≥ 0.21 mm ¹⁾ ≥ 0.38 mm ²⁾
Reading distance	46 mm ... 246 mm ³⁾

¹⁾ 1D.

²⁾ 2D.

³⁾ For details see reading field diagram.

Performance

Supported code type	1D, 2D, Stacked
Bar code types	Codabar, Code 39, Interleaved 2 of 5, Code 93, Code 128, UPC / GTIN / EAN, RSS, Codablock F Post (only SR/SF): Postnet, Planet Code, British Post, Canadian Post, Japanese Post, KIX (Dutch Post)
2D code types	MaxiCode, Data Matrix, QR code, Aztec, Aztec Mesas, EAN • UCC Composite
OCR fonts	OCR-A, OCR-B
Code alignment	Omni-directional
Horizontal motion tolerance	≤ 50 cm/s
Battery power	1,600 mAh, max. 57,000 scans, max. 12 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)
Acoustic indicators	Beeper, disengageable (good read, radio connection status)

Mechanics/electronics

Operating voltage	3.6 V DC ¹⁾
Housing	Polycarbonat, UL 94V0
Enclosure rating	IP 54
Weight	272 g, incl. rechargeable battery
Dimensions	163 mm x 135 mm x 81 mm

¹⁾ Rechargeable battery operation.

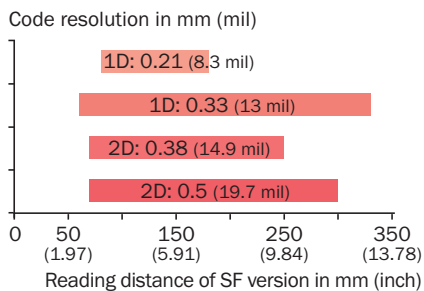
Ambient data

Shock resistance	50 drops from 2 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	100,000 lx, max. on bar code

General notes

Note	For operation a base station with power supply and communication cable is additionally required
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Reading field diagram



Recommended accessories

Other models and accessories → www.sick.de/IT4xxx

	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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