



IT4820i SFE

IT4xxx

HAND-HELD SCANNERS

SICK
Sensor Intelligence.



Ordering information

Type	Part no.
IT4820i SFE	6034080

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



Detailed technical data

Features

Version	Short Range
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	≥ 0.19 mm ¹⁾ ≥ 0.25 mm ²⁾
Reading distance	50 mm ... 230 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 over external fieldbus 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 (L x W x H)	163 mm x 135 mm x 81 mm

¹⁾ Rechargeable battery operation.

Ambient data

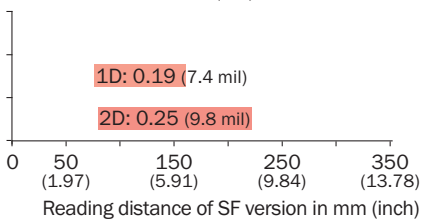
Shock resistance	50 drops from 2 m height on concrete
Ambient operating temperature	0 °C ... +50 °C
Storage temperature	-40 °C ... +60 °C
Permissible relative humidity	95 %, Non-condensing
Ambient light immunity	100,000 lx, max. on bar code

General notes

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

Code resolution in mm (mil)



Recommended accessories

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

	Brief description	Type	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

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