



Hand-held scanners

IT4xxx / IT4820i / cordless / industrial / Short
Range

IT4820i SFE



Model Name > [IT4820i SFE](#)
Part No. > [6034080](#)



At a glance

- Reads 1D, stacked and 2D codes as well as OCR-A and OCR-B
- Reading distances up to 330 mm
- Withstands 50 drops from 2 m
- LED aiming line
- Depending on version, up to IP 54 enclosure rating

Your benefits

- Reliable identification of 1D, stacked, 2D codes, OCR-A, OCR-B and image capture
- High productivity thanks to quick decoding and easy handling
- Highly dependable thanks to rugged housing and non-moving parts
- Intuitive scanning thanks to omni-directional code capture
- Lightweight, ergonomic design ensures user comfort
- Corded and cordless versions provide greater flexibility



Features

Field of application:	Cordless, Industrial
Version:	Short Range
Scanner design:	2D code hand-held scanner
Light source:	Visible green light (530 nm, Aiming LED), Visible red light (630 nm)
Sensor:	752 x 480 px
Code resolution::	≥0.19 mm, ≥0.25 mm ^{1) 2)}
Reading distance (at code resolution):	50 mm ... 230 mm (0.33 mm)
Reading field (at distance):	110 mm x 70 mm (150 mm)

¹⁾ 1D ²⁾ 2D

Performance

Supported code type:	1D, 2D, Stacked
Bar code types:	Codabar, Codablock F Post (only SR/SF): Postnet, Planet Code, British Post, Canadian Post, Japanese Post, KIX (Dutch Post), Code 128, Code 39, Code 93, Interleaved 2 of 5, RSS, UPC/GTIN/EAN
2D code types:	Aztec, Aztec Mesas, Data Matrix, EAN•UCC Composite, MaxiCode, QR code
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
OCR fonts:	OCR-A, OCR-B

Interfaces

Serial:	✓
Function (Serial):	RS-232 TTL
Ethernet:	✓
Remark (Ethernet):	Optional via external connection module (CDM + CMF)
CAN bus:	✓
Remark (CAN bus):	Optional via external connection module (CAN232)
PROFINET:	-
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 10 m, batch function for expansion of the wireless radius
Protocol (Bluetooth):	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

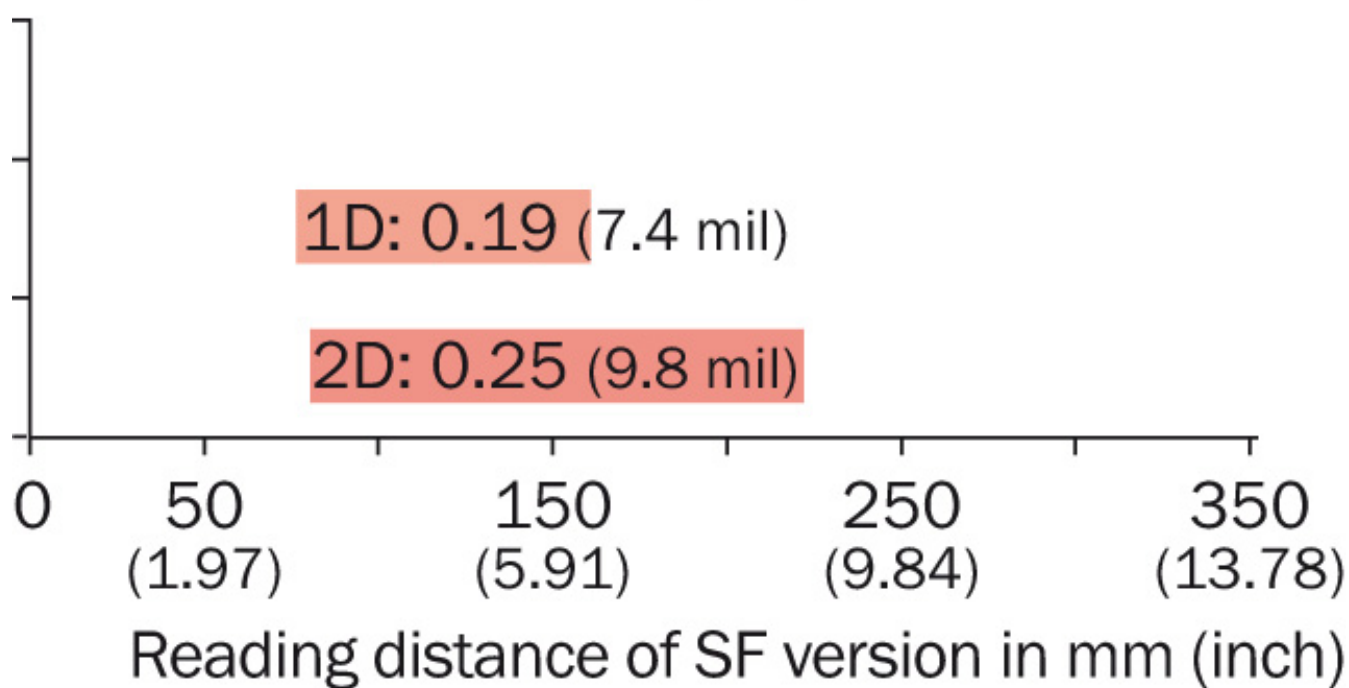
Ambient data

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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Code resolution in mm (mil)



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