

IT 4600 Bar Code Hand-Held Scanner Hand-Held Line



IT 4600 – Identification of 2-D Codes with new Adaptus™ Imaging Technology

SICK has positioned the IT 4600 as a solution for the future market of 2-D Code identification.

The hand-held scanner IT 4600 identifies reliable two-dimensional (2-D) symbologies and even all popular linear bar codes and stacked bar codes (Examples: Data Matrix, PDF 417, Code 128). In addition this unit is also able of automatically capturing OCR fonts, signatures and standard text.

A new innovative, minimised matrix camera technology combined with extremely improved decode algorithms facilitates high performance code and font identification. This video technology is also building the basis for omnidirectional scanning for any code symbology.

The IT 4600 has no moving parts, the housing is mounted with steel screws and is protected against impact by rubber bumpers. These measures result in a high degree of robustness and stability.

The universally designed data transmission interface enables any connection of the IT 4600 to the most common PCs or terminals. The hand-held scanner transmits the decoded information to a terminal or host over keyboard wedge/-emulation, RS 232, USB or wand emulation for further processing.

Its ergonomic design, robustness, fast and reliable identification of linear bar codes and 2-D codes make the IT 4600 the ideal choice for daily applications in offices and for light industrial environment.

Your benefits:

- Fast and reliable identification of poor quality matrix codes
- Identification of all popular linear bar codes
- OCR font identification
- Bright intuitive aiming line
- Omnidirectional scanning
- Connection to various interfaces
- Easy-to-use due to configuration via bar codes
- Setup software for easy and clear programming

The IT 4600 at a glance:

- Reading distance up to 315 mm
- Optical and acoustical good read signal
- Manual trigger
- Flash Memory for software update
- Robust, compact housing
- Ergonomic design
- 3 years warranty

Technical Data

Type	IT 4600
Scanner design	Hand-Held 2-D Imager
Light source	Visible red light ($\lambda= 630$ nm), laser class I
Ambient light compatibility	Max. 100,000 lux
Rotational sensitivity	Omnidirectional
Versions	IT 4600 SR Standard Range 2-D Imager IT 4600 HD High Density 2-D Imager
Reading distance/resolution	74...178 mm/0.20 mm with linear bar code (SR-Version) 79...150 mm/0.38 mm with Data Matrix code (SR-Version)
Reading width	110 x 146 mm ² at 213 mm reading distance (SR-Version)
Min. resolution	0.20 mm with linear bar code (SR-Version) 0.38 mm with Data Matrix code (SR-Version)
Code types	- Matrix Codes: Maxicode, Data Matrix, QR Code, Atztec - OCR Fonts: OCR-A, OCR-B - Stacked bar codes: PDF 417, Micro PDF, Code 49 - Linear bar codes: all popular symbologies, Postnet
Optical indicators	1 x LED for Good Read
Acoustical indicators	Beeper for Good Read
Data interface	- Keyboard wedge for PCs and terminals - Keyboard emulation - Wand emulation, optional Laser-Out (HHLC) - RS 232 (TTL-level), optional RS 232 True, - USB
Operating voltage	4.5 ... 14 V DC
Current consumption	- At 5 V DC: 375 mA (Standby 46 mA) - At 12 V DC: 165 mA (Stand-by 37 mA, Switch-on 225 mA)
Housing	Polycarbonate/UL 94V0
Enclosure rating	IP 41
EMC test	EN 55022 Class B, EN 55024:1998, EN 61000-3-2, EN 61000-3-3, EN 60950
Mechanical shock	50 drops from 1.8 m to concrete at room temperature
Vibration	Withstands 5 g peak from 22 upto 300 Hz
MTBF	> 85,000 h (Ground-Benign acc. to MIL-HDBK-217F)
Weight	Approx. 185 g (without cable)
Dimensions	157 mm x 135 mm x 81 mm
Temperature (ambient operating/storage)	0 °C ... +50 °C/-40 °C ... +60 °C
Rel. Humidity	0 ... 95 %, non-condensing

Order No.	Product
6 028 171*)	IT 4600SR 032C, RS 232 True
6 028 172*)	IT 4600HD 032C, RS 232 True
6 028 173*)	IT 4600SR 052C, RS 232 TTL, wand emulation, keyboard wedge, USB
6 028 174*)	IT 4600HD 052C, RS 232 TTL, wand emulation, keyboard wedge, USB
On request	IT 4600SR/HD 002C RS 232 TTL, HHLC
On request	IT 4600SR/HD 032P/052P/002P, only with linear bar code and PDF 417 decoder
On request	Additional products such as interface cables for connection to various terminals and keyboards or power supply unit and other accessories

*) For setting-up operation an interface cable and a power supply unit are additionally required.

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