

IT 5600 Bar Code Hand-Held Scanner Hand-Held Line



IT 5600 – Adaptus™ Imaging Technology reads up to 1.1 m

The IT 5600 is setting a new standard for identification of linear bar codes.

Using the newest generation of Linear Imaging Technology the IT 5600 is a superb replacement for laser scanners with a reading distance up to 1.1 m. This Linear Imager, as a result of integrated illumination, has a brighter, wider and sharper aiming line than conventional standard laser scanners. This clearly facilitates aiming at the bar code.

Many applications benefit from greater reading range. Bar codes on objects, which are difficult to access, are easy to identify now. As a result of a high scanning and decoding frequency the IT 5600 has a high performance for multiple reads or poor quality bar codes.

The IT 5600 has no moving parts, the housing is mounted with steel screws and is protected against impact by rubber bumpers. These measures allow highest robustness and stability.

The universally designed data transmission interface allows any connections of the IT 5600 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 make the IT 5600 the ideal choice for daily applications in offices, and for light industrial environment.

Your benefits:

- Fast and reliable bar code identification
- Standard Range option for the identification of all popular code symbologies
- HD option to identify bar codes with very small module width
- Connection to various interfaces
- Easy-to-use due to configuration via bar codes
- Setup software for easy and clear programming

The IT 5600 at a glance:

- Reading distance up to 1.1 m
- Optical and acoustical good read signal
- Manual trigger
- Flash Memory for software update
- Robust, compact housing
- Ergonomic design
- 5 years warranty

Technical Data

Typ	IT 5600
Scanner design	Hand-Held Linear Imager
Light source	Visible red light ($\lambda= 630 \text{ nm}$), Laser class I
Ambient light compatibility	Max. 70,000 lux
Decoding frequency	270 Hz
Versions	IT 5600 SR Standard Range Imager IT 5600 HD High Density Imager
Reading distance/resolution	25 ... 914 mm/0.51 mm; 64 ... 1117 mm/1.4 mm (SR Version)
Reading width	254 mm at 419 mm reading distance (SR Version)
Min. resolution	0.127 mm (SR Version)
Code types	All popular bar codes
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 : 235 mA (Standby 68 mA, Switch-on 350 mA) - At 12 V DC: 142 mA (Standby 49 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 up to 300 Hz
MTBF	> 100,000 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
6 028 175*)	IT 5600SR 030, RS 232 True
6 028 176*)	IT 5600HD 030, RS 232 True
6 028 177*)	IT 5600SR 050, RS 232 TTL, wand emulation, keyboard wedge, USB
6 028 178*)	IT 5600HD 050, RS 232 TTL, wand emulation, keyboard wedge, USB
On request	IT 5600SR/HD 000, RS 232 TTL, HHLC
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.

SICK

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