

IT 3810 Bar Code Hand-Held Scanner Hand-Held Line



IT 3810 – Imaging Technology reads up to 150 mm

The hand-held scanner product range of SICK is ideally complemented by the IT 3810.

Using Imaging Technology the IT 3810 is a superb replacement for standard laser scanners. 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.

The IT 3810 couples an attractive entry price level into Linear Imaging Technology with high performance with multiple reads due to high scanning frequency. Reading distances up to max. 150 mm solve many identification tasks.

For manual operation the IT 3810 can be fixed either in a desk holder or for hands-free operations a flexible adjustable stand may be used. The IT 3810 is excellently qualified for nearly all hand-held scanner applications in warehouses, logistics, transportation and office environments.

The universally designed data transmission interface allows any connections of the IT 3810 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 or USB for further processing.

Its ergonomic design and reliability make the IT 3810 the ideal choice for daily applications in offices and for light industrial environment.

Your benefits:

- Fast and reliable bar code identification
- Connection to various interfaces
- Easy-to-use due to configuration via bar codes
- Attractive price level for entrance into Linear Imaging Technology

The IT 3810 at a glance:

- Reading distance up to 150 mm
- Optical and acoustical good read signal
- Manual trigger
- Flash Memory for software update
- Robust, compact housing
- Ergonomic design
- 2 years warranty

Technical Data

Type	IT 3810
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	135 Hz
Reading distance/resolution	25 ... 152 mm/0.33 mm
Reading width	114 mm at 152 mm reading distance
Min. resolution	0.19 mm
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 - RS 232 (TTL-level) - USB
Operating voltage	5 V DC \pm 10 %
Current consumption	- Operating: 275 mA - Standby: max. 125 mA
Housing	Polycarbonate/ABS-blend
EMC test	EN 55022 Class B, EN 55024:1998, EN 61000-3-2, EN 61000-3-3, EN 60950
Mechanical shock	25 drops from 1.5 m to concrete at room temperature
Vibration	Withstands 5 g peak from 20 up to 300 Hz
MTBF	> 100,000 h (Ground-Benign acc. to MIL-HDBK-217F)
Weight	Approx. 179 g (without cable)
Dimensions	152 mm x 135 mm x 79 mm
Temperature (ambient operating/storage)	0 °C ... +50 °C/-40 °C ... +60 °C
Rel. humidity	0 ... 95 %, non-condensing

Order No.	Product
6 028 164	IT 3810-12MDKIT for keyboard wedge, incl. straightened cord 2.4 m
6 028 165*)	IT 3810-12SERKIT for RS 232 TTL, incl. straightened cord 2.4 m
6 028 166	IT 3810-12USBKIT for USB incl. spiral cord 2.3 m
On request	Additional products such as interface cables for connection to various terminals and keyboards or power supply unit and other accessories

*) Power supply on PIN 9 (9 pin "D" female) only! Power supply via terminal or host computer is required!

SICK

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