



IT4800i SR 031CE

IT4xxx

HAND-HELD SCANNERS

SICK
Sensor Intelligence.



Ordering information

Type	Part no.
IT4800i SR 031CE	6028682

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



Detailed technical data

Features

Version	Standard Range
Field of application	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	≥ 0.21 mm ¹⁾ ≥ 0.38 mm ²⁾
Reading distance	50 mm ... 330 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
2D code types	MaxiCode, Data Matrix, QR code, Aztec, Aztec Mesas
OCR fonts	OCR-A, OCR-B
Code alignment	Omni-directional
Horizontal motion tolerance	≤ 50 cm/s

Interfaces

Serial	✓
Function	RS-232 TRUE
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)

Optical indicators	1 LED (good read)
Acoustic indicators	Beeper, disengageable (good read)

Mechanics/electronics

Operating voltage	4.5 V DC ... 14 V DC
Housing	Polycarbonat, UL 94V0
Enclosure rating	IP 54
Weight	185 g, without cable
Dimensions (L x W x H)	163 mm x 135 mm x 81 mm

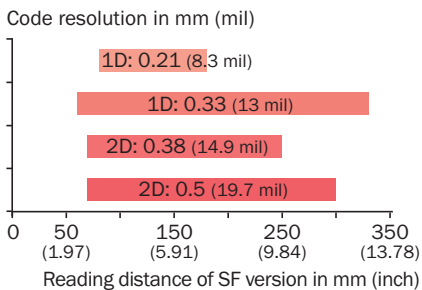
Ambient data

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 setting-up operation ia a connection cable and if necessary a power supply unit is additionally required.
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Reading field diagram



Recommended accessories

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

	Brief description	Type	Part no.
Power supply units and power cord connectors			
	Universal AC adapter, input 100 ... 240 V AC, output 5 V DC, including the power cable with European plug (does not fulfill medical standard EN 60601/IEC 60601)	PS-050-2400D1-EU	6034941
	Universal AC adapter, input 100 ... 240 V AC, output 5 V DC, including the power cable with plug-United-Kingdom (does not fulfill medical standard EN 60601/IEC 60601)	PS-050-2400D1-UK	6034942
Plug connectors and cables			

	Brief description	Type	Part no.
	<p>Head A: female connector, D-Sub, 9-pin, straight Head B: male connector, RJ45, straight Cable: RS-422 TRUE, unshielded, 2.4 m External power supply necessary, additional connector at D-sub</p>	Connection cable (male connector - female connector)	6010819

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