sigmann ΔDELTA

The new performance class
for explosion-hazardous area

Intrinsically safe
Bluetooth scanner

SD 160BT^{ex}

SD 161BT^{ex}

SD 261BT^{ex}

- Charging process in hazardous area
- Read feedback with visual and acoustic signal
- Optional stacked PDF or 2D barcodes
- Bluetooth data transfer

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Highlights

- Charging process in hazardous area
- High-speed scans with up to 500 scans/second
- Optional stacked PDF or 2D version
- Bluetooth data transfer

Description

The high-class and solid hand-held scanners for Sigmann DELTA with their newly developed features are perfect for industrial use in hazardous areas.

A high scan-frequency and the possibility of fast following scans make the scanners very efficient.

The large reading distance and the wide scan line ensure that hard-to-reach locations can be read.

An intuitive read feedback is possible in noisy industrial area because of a LED, beeper and vibration signal.

Because of their shockproof casing, the scanners withstand fifty drops from a height of two meters without damage.

The data transfer between Bluetooth scanner and base station is an easy wireless business because of the Bluetooth connection.
Both devices can be used in hazardous area, even the charging process is possible there.

Required accessories:

+ Compatible power supply
+ Compatible base station
+ Compatible data cable

More Information about individual combination options on request.

Interface

Base station
RS-232 / RS-422 or USB

Bluetooth function
1D Bluetooth™ V2.1 EDR, Class 2
2D Bluetooth™ V4.0 EDR, Class 1
Up to 30m range of function

Selection chart

Typenumber:

1D Version SD160BTex
SD.113.0000.0X

1D Version SD161BTex
SD.118.0000.0X

2D Version SD261BTex
SD.116.0000.00

Scan Data

Scanner version
1D Linear-Imager
2D Two-dimensional-Imager

Light source
Visible red light (630 nm)

Decoding-frequency
1D 500 Hz
2D 60Hz

Reading distance
1D 20 mm to 850 mm
2D 30 mm to 380 mm
Depending on type

Ambient light resistance
100.000 lx

Optical signal
2 LEDs
(Operation status, read feedback)

Acoustiv signal
Beeper
Vibration signal

Technical Data

Protection class
IP 65

Ambient temperature
-20 °C to +50 °C

Dimensions
104 mm x 76 mm x 185 mm

Weight
260g, inklusiv Akku

Impact resistance
50 drops from 2 m height
onto concrete

Lithium-Ionen Accu
3,6 V; 2250 mAh

Operating voltage base station
4,9 V

Explosion protection

Protection type

⟨Ex⟩ II 2G Ex ib IIB T4
⟨Ex⟩ II 2G Ex ib IIB T4 Gb
⟨Ex⟩ II 2D Ex ib IIIC T135 °C
⟨Ex⟩ II 2D Ex ib IIIC T135°C Db

Certification
IBExU 12 ATEX 1162
IECEx IBE 15.0017