sigmann DELTA

The new performance class for explosion-hazardous area

Intrinsically safe Bluetooth scanner



Zone 1/21

SD 164BT^{ex}

SD 264BT^{ex}

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

sigmann DELTA

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 from 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.

Scan Data

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

Light source
Visible red light (630nm)

Decoding-frequency
1D 500 Hz
2D 60Hz

Reading distance
20 mm to 850 mm

Ambient light resistance
100.000 lx

Optical signal
2 LEDs
(Operation status, read feedback)

Acoustic signal
Beeper
Vibration signal

Technical Data

Protection class
IP 65 (Handheld Scanner)
IP 40 (Base- / charging station)

Ambient temperature
-20 °C to +50 °C

Dimensions
104 mm x 76 mm x 176 mm

Weight
Ca. 220g, inclusive Accu

Impact resistance
50 drops from 2 m height
onto concrete

Lithium-Ionen Accu
3,6 V; 1.500 mAh

Operating voltage base station
4.9 V

Explosion Protection

Protection type

SD164BT^{ex} and SDx64BT^{ex}Basis
Ex II 2G Ex ib IIB T4 Gb
Ex II 2D Ex ib IIIC T135°C Db

SD264BT^{ex}
Ex II 2G Ex ib op is IIB T4 Gb
Ex II 2D Ex ib op is IIIC T135°C Db

Certification
IBExU 12 ATEX 1162
IECEx IBE 15.0017

Interface

Base station
RS-232 / RS-422 or USB

Bluetooth function
Bluetooth™ V4.0, 2,402…2,4830 GHz
Up to 100m range of function

Selection chart

Typenumber:

1D / PDF Version SD164BT^{ex}
SD.11F.0000.01

2D Version SD264BT^{ex}
SD.11G.0000.00

Base station SDx64BT^{ex}Basis
SD.11H.0000.00