sigmann DELTA

The new performance class for explosion-hazardous area

Intrinsically safe Bluetooth scanner



SD 164BTII^{ex}
SD 264BTII^{ex}

Zone 2/22

- 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 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.

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
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 (Scanner)
IP 40 (Base 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; <3000 mAh

Maximum input voltage
6,5 V

Required accessories:

- Compatible power supply
- Compatible base station
- Compatible data cable





More Information about individual combination options on request.

Explosion protection

Protection type

Scanner
Ⓔx II 3G Ex ic IIB T4 Gc
Ⓔx II 3D Ex ic IIIC T135°C Dc

Base station
Ⓔx II 3G Ex ic IIC T4 Gc
Ⓔx II 3D Ex ic IIIC T135°C Dc

Certification
IBExU 14 ATEX B012 X
IECEx IBE 19.0020 X

Selection chart

Typenumber:

1D / PDF Version
SD.12F.0000.01 **SD164BTII^{ex}**

2D Version
SD.12G.0000.00 **SD264BTII^{ex}**

Basisstation
SD.12H.0000.00 **SDx64BTII^{ex}Basis**

Interface

Base station
RS232/USB with Supply cable
RS232/USB with Non Ex Power Supply

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