



**The new performance class  
for explosion-hazardous area**

**Intrinsically safe  
Bluetooth scanner**

**SD 164BT<sup>ex</sup>**

**SD 264BT<sup>ex</sup>**



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



## 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.

## Explosion protection

### Protection type

#### SD164BT<sup>ex</sup> and SDx64BT<sup>ex</sup>Basis

⚡ II 2G Ex ib IIB T4 Gb

⚡ II 2D Ex ib IIIC T135°C Db

#### SD264BT<sup>ex</sup>

⚡ II 2G Ex ib op is IIB T4 Gb

⚡ 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

## 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

## Selection chart

### Typenumber:

1D / PDF Version SD164BT<sup>ex</sup>  
SD.11F.0000.01

2D Version SD264BT<sup>ex</sup>  
SD.11G.0000.00

Base station SDx64BT<sup>ex</sup>Basis  
SD.11H.0000.00