



**sigmann**  **DELTA**

## The new performance class for explosion-hazardous area

**Intrinsically safe  
Bluetooth scanner**

**SD 161BTII<sup>ex</sup>**

**SD 261BTII<sup>ex</sup>**



**Zone 2/22**



- **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 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.

## 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)

### Acoustic 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, inclusive Battery

### Impact resistance

50 drops from 2 m height onto concrete

### Lithium-Ionen Accu

3,6 V; <3000 mAh

### Maximum input voltage

5,6 V

## Interface

### Base station

- RS232 with SDVE-SD160II<sup>ex</sup>
- RS232/USB with cabel (under development)
- RS232/USB with Non-Ex Power Supply

### Bluetooth function

- 1D Bluetooth™ V2.1 EDR, Class 2  
Up to 30m range
- 2D Bluetooth™ V4.0 EDR, Class 1  
Up to 100m range  
(Data original product)

## Selection chart



### Typenumber:

- |                   |                |                                    |
|-------------------|----------------|------------------------------------|
| <b>1D Version</b> | SD.128.0000.00 | <b>SD161BTII<sup>ex</sup></b>      |
|                   | SD.128.0000.01 | <b>SD161BTII<sup>ex</sup> PDF</b>  |
|                   | SD.129.0000.00 | <b>SDx61BTII<sup>ex</sup>Basis</b> |
| <b>2D Version</b> | SD.126.0000.00 | <b>SD261BTII<sup>ex</sup></b>      |
|                   | SD.129.0000.01 | <b>SD261BTII<sup>ex</sup>Basis</b> |



## Explosion protection

### Protection type

#### Scanner

-  II 3G Ex ic IIB T4 Gc
-  II 3D Ex ic IIIC T135°C Dc

#### Base station

-  II 3G Ex ic IIC T4 Gc
-  II 3D Ex ic IIIC T135°C Dc

### Certification

IBExU 14 ATEX B012