



sigmann  **DELTA**

The new performance class for explosion-hazardous area

**Intrinsically safe
Bluetooth scanner**

**SD 161BTII^{ex}
SD 261BTII^{ex} 3rd**



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 Supply cable
- + 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 (Scanner)
- IP 40 (Base station, electric sealed)

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

6,5 V

Interface

Base station

- RS232/USB with Supply cable
- 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:

- | | | |
|---------------------|----------------|--|
| 1D Version | SD.128.0000.00 | SD161BTII^{ex} |
| | SD.128.0000.01 | SD161BTII^{ex} PDF |
| 2D Version | SD.124.0000.00 | SD261BTII^{ex} 3rd |
| Basisstation | SD.127.0000.00 | SDx61BTII^{ex}Basis 3rd |

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 X