



sigmann  **DELTA**

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

**Intrinsically safe
Bluetooth scanner**

SD 161BT^{ex}

SD 261BT^{ex} 3rd



- **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 /1310 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 (Handheld Scanner)
- IP 40 (Base, electronic plotted)

Ambient temperature

-20 °C to +50 °C

Dimensions

104 mm x 76 mm x 185 mm

Weight

260g, inklusiv Akku

Impact resistance

50 drops from 2 m height onto concrete

Lithium-Ionen Accu

3,6 V; 2250 mAh



Operating voltage base station

4.9 V



Explosion protection

Protection type

SD161BT^{ex} and SDx61BT^{ex}Basis 3rd

-  II 2G Ex ib IIB T4 Gb
-  II 2D Ex ib IIIC T135°C Db

SD261BT^{ex} 3rd

-  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

- 1D Bluetooth™ V2.1 EDR, Class 2
Up to 30m
- 2D Bluetooth™ V4.0 EDR, Class 1
Up to 100m range of function

Selection chart

Typenumber:

- 1D Version SD161BT^{ex}
SD.118.0000.0X
- 2D Version SD261BT^{ex} 3rd
SD.11B.0000.00
- Base station SDx61BT^{ex}Basis 3rd
SD.11C.0000.00