



**sigmann**  **DELTA**

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

**Intrinsically safe  
handheld scanner**

**SD 160<sup>ex</sup>**

**SD 260<sup>ex</sup>**



- **Read feedback with visual and acoustic signal**
- **High-speed scans**
- **Optional stacked PDF barcodes**
- **Optional 1D and 2D version**



## Highlights

- Read feedback with vibration, acoustic and optical signal
- High-speed scans with up to 500 scans/second
- Solid, impact resistance
- Optional stacked PDF barcodes
- Optional 1D and 2D version

## 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.

## Required accessories:

- + Compatible power supply
- + 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 60 Hz

### 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

### Allowable humidity

± 95 %, no condensing

### Dimensions

104 mm x 76 mm x 185 mm

### Weight

200g, without cable

### Impact resistance

50 drops from 2 m height to concrete

### Operating voltage

U=4,9V

supply via corresponding power supply SDVM125<sup>ex</sup>

## Interface

### Seriell 1D

RS-232 / RS-422 or USB

### Seriell 2D

RS-232 / RS-422

## Selection chart

### Typenumber:

#### 1D Version

SD.112.0000.00

#### 1D Stacked PDF version

SD.112.0000.01

#### 2D Version

SD.115.0000.00

## Explosion protection

### Protection type

#### SD.112.0000.0X

⊕ II 2G Ex ib IIC T4

⊕ II 2D Ex ib IIIC T135°C

#### SD.115.0000.00

⊕ II 2G Ex ib IIB T4

⊕ II 2D Ex ib IIIC T135°C

### Certification

IBExU 12 ATEX 1120

IECEX IBE 15.0016