



sigmann  **DELTA**

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

**Intrinsically safe
handheld scanner**

SD 160^{ex}

SD 260^{ex} 3rd



- **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^{ex}

Interface

Seriell 1D and 2D

RS-232 / RS-422 or USB

Selection chart

Typenumber:

1D Version

SD.112.0000.00

1D Stacked PDF version

SD.112.0000.01

2D Version

SD.11A.0000.00

SDVM125^{ex} Power Supply

SD.211.XXX.1.00

Explosion protection

Protection type

SD.112.0000.OX

⊕ II 2G Ex ib IIC T4 Gb

⊕ II 2D Ex ib IIIC T135°C Db

SD.11A.0000.00

⊕ II 2G Ex ib op is IIB T4 Gb

⊕ II 2D Ex ib op is IIIC T135°C Db

Certification

IBExU 12 ATEX 1120

IECEX IBE 15.0016