



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

**Intrinsically safe
handheld scanner**

**SD164II^{ex}
SD264II^{ex}**



Zone 2/22



- **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 supply cable
- + 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 400 mm

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 176 mm

Weight

208g, without cable

Impact resistance

50 drops from 2 m height
to concrete

Operating voltage

U=4,9V
supply via corresponding
power supply SDVM125^{ex}

Explosion protection

Protection type

SD.12D.0000.01

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

SD.12E.0000.00

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

Certification

IBExU 14 ATEX B012 X
IECEx IBE 19.0020 X

Selection chart

Typenumber:

1D Stacked PDF version
SD.12D.0000.01

2D Version
SD.12E.0000.00

Supply Cable SDUSBII^{ex} / SDRS232II^{ex}
SD.121.***1.00 / SD.121.***2.**

Interface

1D Stacked PDF Version

RS-232 / RS-422 or USB

2D Version

RS-232 / RS-422 or USB

Depends on chosen data cable and power supply.