sigmann DELTA

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

sigmann DELTA

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 theire 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.

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 SDVM125ex

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 SDUSBIIex / SDRS232IIex
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.

Required accessories:

+ Compatible supply cable
+ Compatible data cable



More Information about individual combination options on request.