

IDM164-Z1 Art. No. 310742



- Certified acc. to ATEX and IECEx for hazardous zones 1, 2, 21, 22
- Wired or wireless Bluetooth scanners
- 1D / 2D barcodes, stacked codes
- Scanner compatible with R. STAHL's SHARK, MANTA, EAGLE and RAPTOR HMI device platforms

MY R. STAHL IDMEXA



R. STAHL's IDM barcode scanners are ATEX and IECEx certified for hazardous zones 1, 2, 21 and 22.

Depending on the scanner, all common 1D / 2D barcodes and stacked codes can be read. The reading process is confirmed acoustically with a beep, visually with LED and with vibration. The explosion-protected HMI devices are all-round designed to meet industrial requirements: their compact enclosure with IP65 is extremely robust - it can withstand up to 50 drops onto concrete from a height of 2 m.

The wired scanners support all common cable interfaces, and, when required, the cables can be replaced without the need for any tools. The wireless Bluetooth scanners transmit all data via Bluetooth.

## Technical Data

### General

Special version	wired handheld scanner
Version	Linear imager scanner
Barcode types	one-dimensional 1D (barcode and stacked code)
WebCode	IDMEXA

### Explosion Protection

Ex version	Yes
Application range (Zones)	1 2 21 22
Scope	EU (CE / ATEX) International (IECEx)
IECEx gas certificate	IBExU16ATEX1002
ATEX gas certificate	IECEx IBE 16.0002

### Electrical Data

Rated operational voltage DC	4.9 V
Light source	Visible red light, 630nm
Resistance to light interference	100 000 lx

### Auxiliary Power

Power supply	Via supply module
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### Ambient Conditions

Ambient temperature °C	-20°C ... +50°C
Storage temperature °C	-30°C ... +70°C

IDM164-Z1 Art. No. 310742

**Ambient Conditions**

Relative humidity	±95 % , non-condensing
Shock resistance	50 drops from a height of 2 m onto a concrete surface

**Mechanical Data**

Front enclosure protection type (IP)	IP65
Rear enclosure protection type (IP)	IP65
Enclosure material	Plastic
Width	104 mm
Height	185 mm
Depth	76 mm
Dimensions (WxHxD)	104 mm x 185 mm x 76 mm
Weight	200 g
Weight	0.44 lb

**Accessories**

<b>Adapter Cable</b>		<b>Art. No.</b>
	<b>VB-IDMx6x-SOCKET-RS232-0.5m</b> Adapter cable for IDMx6x scanner, display xx8 <--> IDMx6x connection cable, open ends to binder coupling for interface RSi-232 (xx8), cable length: 0.5 m straight	254452
<b>Base stations scanner</b>		<b>Art. No.</b>
	<b>IDMx61-Base-A</b> Base station for handheld scanner IDMx61-BT, no Bluetooth, Non-Ex, wireless loading station, loading in safe area	275761
		310747
		310746
<b>Battery</b>		<b>Art. No.</b>
	<b>IDMx6x-BT-ex-LionX</b> Replacement battery (Li ions) for IDMx6x-BT-ex	283128

IDM164-Z1 Art. No. 310742

Connection Cable	Art. No.
<b>VB-IDM160-RS232-SR-1.8m</b> Connection cable for IDM160, connection to ReaderBox or SHARK xx8-RSi, interface RS-232, Ex i 5.6 V cable length 1.8 m, straight, Binder plug	224085
<b>VB-IDM160-RS232-SR-3.6m</b> Connection cable for IDM160, connection to ReaderBox or SHARK xx8-RSi, interface RS-232, Ex i 5.6 V cable length 3.6 m, coiled, Binder plug	224086
<b>VB-IDMx60-RS232-1.8m</b> Connection cable for IDM160 / IDM260, connection to VM125-ex-*, interface RS-232, Ex i 5.6 V, cable length 1.8 m, straight, Binder plug	224081
<b>VB-IDMx60-RS232-3.6m</b> Connection cable for IDM160 / IDM260, connection to VM125-ex-*, interface RS-232, Ex i 5.6 V, cable length 3.6 m, coiled, Binder plug	224082
<b>VB-IDMx60-USB-1.8m</b> Connection cable for IDM160, connection to VM125-ex-*, interface USB, Ex i 5.6 V, cable length 1.8 m, straight, Binder plug	224083
<b>VB-IDMx60-USB-3.6m</b> Connection cable for IDM160, connection to VM125-ex-*, interface USB, Ex i 5.6 V, cable length 3.6 m, coiled, Binder plug	224084
<b>VB-IDMx6x-Base-RS232-SR-1.8m-Z1</b> Connection cable for base loading station IDM*-Z1, connection to ReaderBox or SHARK xx8-RSi, interface RS-232, Ex i 5.6 V, cable length 1.8 m, straight, Binder plug	224102
<b>VB-IDMx6x-Base-RS232-SR-3.6m-Z1</b> Connection cable for base loading station IDM*-Z1, connection to ReaderBox or SHARK xx8-RSi, interface RS-232, Ex i 5.6 V, cable length 3.6 m, coiled, Binder plug	224103
<b>VB-IDMx6x-Base-VM-RS232-1.8m-Z1</b> Connection cable for base loading station IDM*-Z1, connection to VM125-ex-*, interface RS-232, Ex i 5.6 V, cable length 1.8 m, straight, Binder plug	224100
<b>VB-IDMx6x-Base-VM-RS232-3.6m-Z1</b> Connection cable for base loading station IDM*-Z1, connection to VM125-ex-*, interface RS-232, Ex i 5.6 V, cable length 3.6 m, coiled, Binder plug	224101
<b>VB-IDMx6x-Base-VM-USB-1.8m-Z1</b> Connection cable for base loading station IDM*-Z1, connection to VM125-ex-*, interface USB, Ex i 5.6 V, cable length 1.8 m, straight, Binder plug	224104
<b>VB-IDMx6x-Base-VM-USB-3.6m-Z1</b> Connection cable for base loading station IDM*-Z1, connection to VM125-ex-*, interface USB, Ex i 5.6 V, cable length 3.6 m, coiled, Binder plug	224105

IDM164-Z1 Art. No. 310742

<b>Connection Cable Extension</b>		<b>Art. No.</b>
<b>VB-IDMx6x-EXT-3.0m-Z1</b> Extension cable for IDMx6x zone 1, cable length 3 m, straight		265948
<b>VB-IDMx6x-EXT-3.0m-Z1-spiral</b> Extension cable for IDMx6x zone 1, cable length 3 m, coiled		263908
<b>VB-IDMx6x-EXT-6m-Z1</b> Extension cable for IDMx6x zone 1, cable length: 6 m, straight		224108
<b>VB-IDMx6x-EXT-6.0m-Z1-spiral</b> Extension cable for IDMx6x zone 1, cable length 6 m, coiled		265949
<b>Power supply</b>		<b>Art. No.</b>
<b>DSP-IDMx6x-DC5V</b> Power supply for non-ex base loading station		224095
<b>Tripod</b>		<b>Art. No.</b>
<b>IDMx6x-tripod</b> Tripod for IDMx6x, material: ABS (acrylonitrile-butadiene-styrene)		224106

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