



- 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 ORCA, 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.

	IECEx / ATEX					
Zone	0	1	2	20	21	22
Installation in		•	•		•	•

Selection Table					
Special version		Bluetooth wireless scanner			
Product Type	Version	Barcode types	Base loading station	Art. No.	Weight
IDM164-BT-Z1	Linear imager scanner	one-dimensional 1D (barcode and stacked code)	IDMx64-BT-Base-Z1 IDMx64-BT-Base (Non-Ex)	310743	260 g
IDM264-BT-Z1	two-dimensional imager scanner	one- and two-dimensional 1D and 2D (barcode and stacked code) (PDF417)	IDMx64-BT-Base-Z1 IDMx64-BT-Base (Non-Ex)	310745	200 g
Special version		wired handheld scanner			
Product Type	Version	Barcode types	Base loading station	Art. No.	Weight
IDM164-Z1	Linear imager scanner	one-dimensional 1D (barcode and stacked code)	-	310742	200 g
IDM264-Z1	two-dimensional imager scanner	one- and two-dimensional 1D and 2D (barcode and stacked code)	-	310744	200 g

Technical Data		
Variant	IDM164	IDM264
Explosion Protection		
IECEx gas explosion protection	Ex ib IIC T4 Gb	Ex ib IIC T4 Gb
IECEx dust explosion protection	Ex ib IIIC T135°C Db	Ex ib IIIC T135°C Db
ATEX gas explosion protection	II 2 G Ex ib IIC T4 Gb	II 2 G Ex ib IIC T4 Gb
ATEX dust explosion protection	II 2 D Ex ib IIIC T135°C Db	II 2 D Ex ib IIIC T135°C Db
Electrical Data		
Light source	Visible red light, 630nm	Visible red light, 630nm
Scan frequency	500 Hz	60 Hz

Technical Data		
Variant	IDM164	IDM264
Electrical Data		
Reader distance	20 ... 850 mm	30 ... 380 mm
Code resolution	ca. $\geq 0,076$ mm (depending on code)	ca. $\geq 0,13$ mm (depending on code)
Interfaces	Interface support (via supply module): RS-232 / RS-422 / USB	Interface support (via supply module): RS-232 / RS-422 / USB
Status LED	Optical: 2x LED (operating status / read confirmation) Acoustic: Beeper / buzzer (can be switched off) Vibration	Optical: 2x LED (operating status / read confirmation) Acoustic: Beeper / buzzer (can be switched off) Vibration
Ambient Conditions		
Shock resistance	50 drops from a height of 2 m onto a concrete surface	50 drops from a height of 2 m onto a concrete surface
Mechanical Data		
Dimensions (WxHxD)	104 mm x 185 mm x 76 mm	104 mm x 185 mm x 76 mm

The technical data is only listed as an example. All technical data for all scanner variants can be found on the Internet at [r-stahl.com](http://r-stahl.com) and in the data sheets.

Accessories			
Figure	Description	Art. No.	Weight
Adapter Cable			
	<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	200 g
Connection Cable			
	<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	200 g
	<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	300 g
	<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	200 g
	<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	300 g
	<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	200 g
	<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	300 g
	<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	200 g
	<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	300 g
	<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	200 g
	<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	300 g
	<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	200 g
	<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	300 g
Connection Cable Extension			
	<b>VB-IDMx6x-EXT-6m-Z1</b> Extension cable for IDMx6x zone 1, cable length: 6 m, straight	224108	500 g

Accessories			
Figure	Description	Art. No.	Weight
Power supply	<b>DSP-IDMx6x-DC5V</b> Power supply for non-ex base loading station	224095	214 g