Peripheral devices - IDM Barcode scanner Non-Ex

- Barcode scanner for safe areas (non-Ex)
- Wired or wireless Bluetooth scanners
- 1D / 2D barcodes, stacked codes
- Compatible with R. STAHL's MANTA HMI device platform

MY R. STAHL IDMA

R. STAHL's IDM16x and IDM26x barcode scanners have been developed for safe production areas. 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. These HMI devices have been designed to fully 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.

Selection Table

Special version	Bluetooth wireless scanner				
Product Type	Version	Barcode types	Base loading station	Art. No.	Weight
IDM161-300S	One-dimensional imager scanner	1D barcode	IDMx64-BT-Base NonEx	309728	260 g
IDM161-300S-RS232-Kit	One-dimensional imager scanner	1D barcode	IDMx64-BT-Base NonEx	257474	1 kg
IDM161-300S-USB-Kit	One-dimensional imager scanner	1D barcode	IDMx64-BT-Base NonEx	300043	1 kg
IDM261-311S USB Kit	two-dimensional imager scanner	one- 1D and two-dimensional 2D (bar and stacked code) (PDF417)	IDMx64-BT-Base NonEx	270030	500 g
Special version	wired handheld scanner				
Product Type	Version	Barcode types	Base loading station	Art. No.	Weight
IDM160-300S USB Kit	One-dimensional imager scanner	1D barcode	–	308850	1 kg
IDM260-311S	two-dimensional imager scanner	one- 1D and two-dimensional 2D (bar and stacked code) (PDF417)	–	276039	500 g

Technical Data

Variant	IDM161-300S-USB-Kit	IDM260-311S
Electrical Data		
Light source	Visible red light (630 nm)	Visible red light (630 nm)
Scan frequency	≤ 500 Hz	-
Reader distance	20 … 850 mm	30 … 400 mm
Code resolution	approx. ≥ 0.076 mm (depending on code)	≥ 0.07 mm, ≥ 0.13 mm (depending on code)
Interfaces	Interface support: USB	Interface support: USB
Status LED	optical: 2x LED (operating status / read confirmation) acoustic: beeper (can be switched off) vibration	optical: 2x LED (operating status / read confirmation) acoustic: beeper (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
Ingress protection	IP65	IP65

A8 The technical data for all scanner variants can be found on the homepage at www.r-stahl.com or in the single data sheets. 26.11.2023 · PO·en

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