IDM-Z2-264-M-2D-J2-BT-N-N0
IDM-Z2-164-M-1D-J2-BT-P-N0

Bluetooth® handheld scanner for use in explosion-hazardous areas Zone 2/22

Manual



Your automation, our passion.

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1 History of the Manual

Version	Comments
12/2022	First edition for scanner generation x64
10/2025	Removal of UKCA Minor Corrections

2 Introduction

2.1 Content of this Document

This document contains information that you need in order to use your product throughout the applicable stages of the product life cycle. These can include the following:

- Product identification
- Delivery, transport, and storage
- Mounting and installation
- Commissioning and operation
- Maintenance and repair
- Troubleshooting
- Dismounting
- Disposal

Note

This document does not substitute the instruction manual.

Note

For full information on the product, refer to the instruction manual and further documentation on the Internet at www.pepperl-fuchs.com.

Note

For specific device information such as the year of construction, scan the QR code on the device. As an alternative, enter the serial number in the serial number search at www.pepperl-fuchs.com/device-information.

The documentation consists of the following parts:

- Present document
- Instruction manual
- Datasheet

Additionally, the following parts may belong to the documentation, if applicable:

- EU-type examination certificate
- EU declaration of conformity
- Attestation of conformity
- Certificates
- Control drawings
- Functional safety manual
- Additional documents

2.2 Target Group, Personnel

Responsibility for planning, assembly, commissioning, operation, maintenance, and dismounting lies with the plant operator.

Only appropriately trained and qualified personnel may carry out mounting, installation, commissioning, operation, maintenance, and dismounting of the product. The personnel must have read and understood the instruction manual and the further documentation.

Prior to using the product make yourself familiar with it. Read the document carefully.

2.3 Symbols Used

This document contains symbols for the identification of warning messages and of informative messages.

Warning Messages

You will find warning messages, whenever dangers may arise from your actions. It is mandatory that you observe these warning messages for your personal safety and in order to avoid property damage.

Depending on the risk level, the warning messages are displayed in descending order as follows:



Danger!

This symbol indicates an imminent danger.

Non-observance will result in personal injury or death.



Warning!

This symbol indicates a possible fault or danger.

Non-observance may cause personal injury or serious property damage.



Caution!

This symbol indicates a possible fault.

Non-observance could interrupt the device and any connected systems and plants, or result in their complete failure.

Informative Symbols



Note

This symbol brings important information to your attention.



Tip

This symbol brings an useful tip to your attention.



Example

This symbol provides an example of the issue described.



Action

1. This symbol indicates a paragraph with instructions. You are prompted to perform an action or a sequence of actions.

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3 Technical Specifications

3.1 Explosion Protection



1-D-/2-D-model

II 3G Ex ic IIB T4 Gc

II 3D Ex ic IIIC T135°C Dc

Test certificate

IBExU19ATEXB016X

IECEx IBE 19.0026X

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3.2 Technical Data

	IDM-Z2-164-M-1D-J2-BT-P-N0	IDM-Z2-264-M-2D-J2-BT-N-N0
Description	Linear imager	2-D imager
Barcode	One-dimensional 1-D (Barcode and stacked code incl. PDF417)	One-dimensional 1-D & 2-D (Barcode and stacked code incl. PDF417)
Barcode types	Code 39, Code 39 Trioptic, Code 32, Code 93, Code 11, Codabar, Code 128, GS1-128 / EAN 128, UPC / EAN / JAN (with addition), MSI/Plessey, UK/Plessey, IATA, Interleaved 2 of 5, Standard and Industrial 2 of 5, Matrix 2 of 5, Telepen, GS1 DataBar, Australian Post, China Post, German Post, US Planet, US Postnet, British Post, Intelligent Mail, Japan Post, Korean Post, Dutch KIX Post	
Stacked codes	PDF417, MicroPDF417, Code 49, Code 16K, Composite, Codablock F	
2-D code types	-	Data Matrix, QR code, MicroQR-Code, Aztec, MaxiCode
Light source	LED, visible red light (630 nm)	
Scan frequency	500 Hz	60 Hz
Reading distance	50 mm ... 800 mm	30 mm ... 380 mm
Code resolution	Approx. ≥ 0.076 mm	Approx. ≥ 0.13 mm
Immunity to extraneous light	100?000 lx	
Electrical data		
Current consumption	330 mA (Standby 80/130 mA; Peak 500 mA)	
Battery	Lithium ion battery 3.6 V; 1500 mAh	
Battery power	Up to 60?000 scans at full battery charge	
Feedback		
Visual	2 x LED (operating state/read confirmation)	
Acoustic	Buzzer (can be switched off)	
Ambient conditions		
Shock resistance	50 drop tests on concrete from a height of 2 m	
Operating temperature	-20°C to +50°C	
Storage temperature	-30°C to +70°C	
Relative humidity	95% non-condensing	
Mechanical data		
Degree of protection	IP65	
Dimensions [W x H x D]	104 mm x 176 mm x 76 mm	
Weight	Approx. 220 g, incl. battery	

3.3 Use

The handheld scanner is a piece of handheld device.

It enables portable recording and direct data transfer of barcodes and 2-D codes in explosion-hazardous areas. The device is modified for use in explosion-hazardous areas of Zone 2 and Zone 22.

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4 System Structure

4.1 Overview

The Bluetooth® handheld scanner and their accessories are presented in the following overview. Charging the handheld scanners batteries can take place within the hazardous area using the Zone 2/22 certified base station and the associated power module. Furthermore, the barcode scanner can be charged in the non-explosion-hazardous area using a base station/charging cradle.

4.2 System Structure 1

Overview of the complete system structure 1: Base station with Bluetooth® handheld barcode scanner IDM-Z2-x64-M-* connected via serial communication protocol to the intrinsically safe supply cable and a host PC in the non-explosion-hazardous area.

Bluetooth® Barcode Scanner, serial connection to Host PC (stand-alone)

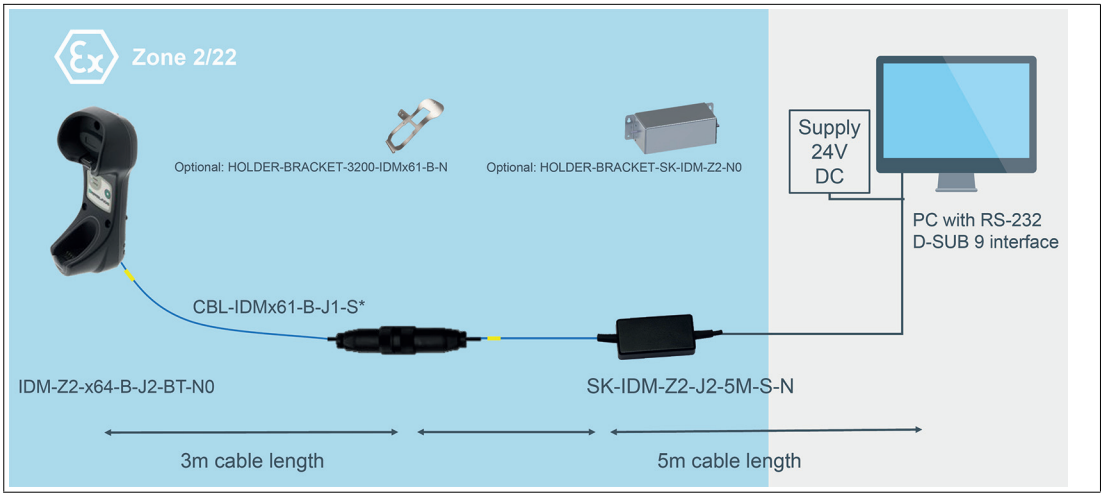


Figure 4.1

Optional Accessories:

Item no.	Product Name	Description	Photo
#548395	HOLDER-BRACKET-AG1-IDMx61-B-N0	Bracket to mount IDMx61-B-J1-BTN0 Base station to AG1 housing - Material: Stainless steel AISI 304 (1.4301) - Assembly: Right side of AG1 housing or Holder bracket - Includes bracket and installation materials - Note: Base station and cables not included!	
#70142693	HOLDER-BRACKET-SK-IDM-Z2-N0	Bracket to wall-mount SK-IDM-Z2-J2-* barrier - Material: Stainless steel AISI 304 (1.4301) - NOTE: Barrier not included!	

Note

The supply cable is available for RS-232 and USB, make sure to use the compatible RS-232 supply (SK-IDM-Z2-J2-5M-S-N) - and connection cables (CBL-IDMx60-D-J1-S *).

Description:

The Bluetooth® handheld scanner has been designed with the battery for explosion-hazardous areas. For proper operation in explosion-hazardous areas, a IDM-Z2-x64-B-J2-BT-N0 base station, a supply cable SK-IDM-Z2-J2-5M-S-N and CBL-IDMx60-* connection cable are required

The Bluetooth® handheld barcode scanner is designed to be used in explosion-hazardous areas Zone 2/22. The connection in this structure uses the supply cable SK-IDM-Z2-J2-5M-S-N which is connected to the communication interface and realizes the data and intrinsically safe power supply. The RS-232 interface of the host PC is located in the non-explosion-hazardous area. Data communication is via the RS-232 interface, while the base station is powered by the additional power supply. The power is transferred within the supply cable SK-IDM-Z2-J2-5M-S-N into intrinsically safe power.

Note

This scenario can also be realized with USB protocol. With the USB-interface version, the maximum total cable length of the supply cable SK-IDM-Z2-J2-1M-U-N is 1 meter. Use the compatible USB cables CBL-IDMx60-D-J1-U*.

4.3 System Structure 2

Overview of the complete system structure 2: Base station with Bluetooth® handheld barcode scanner IDM-Z2-x64-M-* connected via serial communication protocol to the supply cable and a host PC in the non-explosion-hazardous area with optional GR.TJE.13.13.09.B-S0008 connection box for long communication distances.

Note

The Supply cable is available for RS-232 and USB, make sure to use the compatible RS-232 supply (SK-IDM-Z2-J2-5M-S-N) - and connection cables (CBL-IDMx60-D-J1-S *).

Bluetooth® Barcode Scanner, serial connection to Host PC with optional EPE connection box (stand-alone)

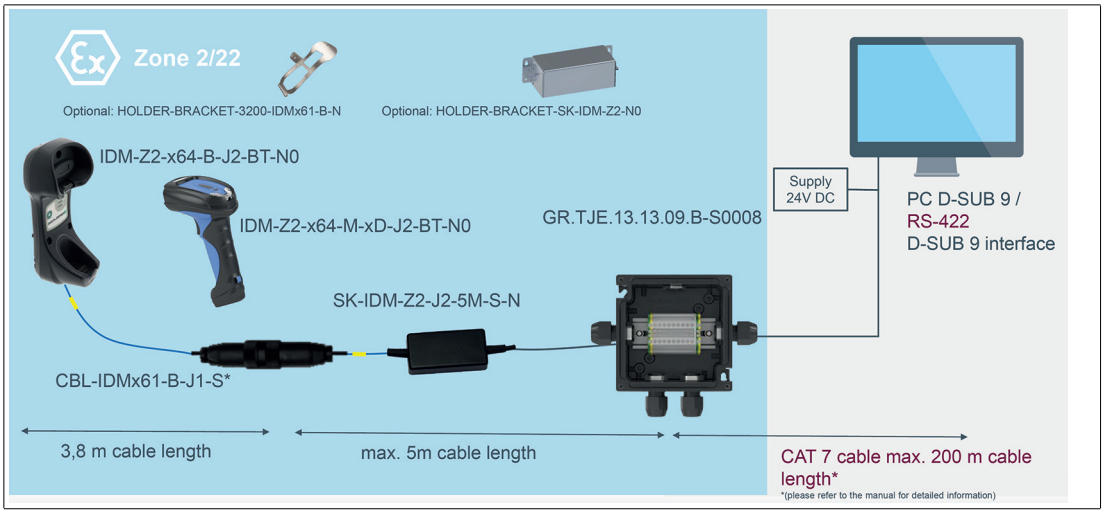


Figure 4.2

Optional Accessories:

Item no.	Product Name	Description	Photo
#548395	HOLDER-BRACKET-AG1-IDMx61-B-N0	Bracket to mount IDM-Z2-x64-B-J2-BT-N0 Base station to AG1 housing - Material: Stainless steel AISI 304 (1.4301) - Assembly: Right side of AG1 housing or Holder bracket - Includes bracket and installation materials - Note: Base station and cables not included!	
#70142693	HOLDER-BRACKET-SK-IDM-Z2-N0	Bracket to wall-mount SK-IDM-Z2-J2-* barrier - Material: Stainless steel AISI 304 (1.4301) - NOTE: Barrier not included!	
#70142118	GR.TJE.13.13.09.B-S0008	Enclosure material: glass fiber reinforced polyester (GRP) Enclosure size (HxWxD): 130 x 130 x 130 mm Finish: inherent color black enclosure cover: fully detachable Gasket: foamed silicone Explosion protections gas: Ex eb IIC T4 Gb Explosion protection dust: Ex tb IIIC T135°C Db Ambient temperature: -40°C to +60°C Degree of protection: IP66 Certification: ATEX, IECEx & UK Ex (others on request) Equipped with: 7x MUT2.5, labeled "1-7" 2x MUT2.5-PE, labeled "PE" 1x M20 – top centered 1x M16 (connection barcode reader cable) – bottom centered 1x Blind plug or Cable gland M16 left side 1x Blind plug or Cable gland M20 right side	

Description:

The Bluetooth® barcode scanner is designed to be used in explosion-hazardous areas Zone 2/22. For proper operation in explosion-hazardous areas, the permissible RS-232 cordsets CBL-IDMx60-D-J1-S* must be used. The intrinsically safe power supply and data transfer are realized via this cable. The connection in this structure uses the supply cable SK-IDM-Z2-J2-5M-S-N which is connected to the communication interface.

The RS-422 interface of the host PC is located in the non-explosion-hazardous area. Data communication is via the RS-422 interface, while the handheld barcode reader is powered by the additional power supply. The power is transferred within the supply cable SK-IDM-Z2-J2-5M-S-N into intrinsically safe power. To overcome long communication distances up to 200 m, an optional GR.TJE.13.13.09.B-S0008 connection box can be installed.

Note

It is the customer's responsibility to ensure that the voltage applied at the front arrives at the rear of the unit.

4.4 System Structure 3

Overview of the complete system structure 3: Bluetooth® handheld barcode scanner IDM-Z2-x64-M-* connected via supply cable SK-IDM-Z2-J2-1M-U-N to the USB interface of the VisuNet FLX system.

Zone 2/22 Barcode Scanner, USB connection to VisuNet FLX



Figure 4.3

Required Components:

- VisuNet FLX System configured with adapter ADAPTER-3200-10-304B-M12
- IDM-Z2-x64-B-J2-BT-N0 base station
- Bluetooth® Barcode Scanner
- CBL-IDMx61-B-Jx-U-S07-N0 base station connection cable
- SK-IDM-Z2-J2-1M-U-N Supply Cable (USB)
- HOLDER-BRACKET-XX00-IDMx61-B-N

Description:

The handheld scanner is designed to be used in explosion-hazardous areas. For proper operation in explosion-hazardous areas, the permissible USB supply cable SK-IDM-Z2-J2-1M-U-N cordsets must be used. The intrinsically safe power supply and data transfer are realized via this cable and directly connected to the USB Port of the VisuNet FLX through the M12 cable gland of the backside of the system housing. The required adapter ADAPTER-3200-10-304B-M12 provides the housing feedthrough and has a connection socket that fits the scanner connection cable.

With the accessory cable CBL-IDMx61-B-Jx-U-S07-N0 the base station can easily be connected to the connection socket of the adapter.

Note

Find details regarding the mechanical installation in the VisuNet FLX system manual.

4.5 System Structure 4

Overview of the complete system structure 4: Wired 1-D or 2-D handheld scanner IDM-Z2-x64-M-* connected via base station/charger to the power module and the USB Ex i interface "3" (Module A or B) of the VisuNet GXP.

Z2 Bluetooth® Barcode Scanner connection to VisuNet GXP via "S3" interface

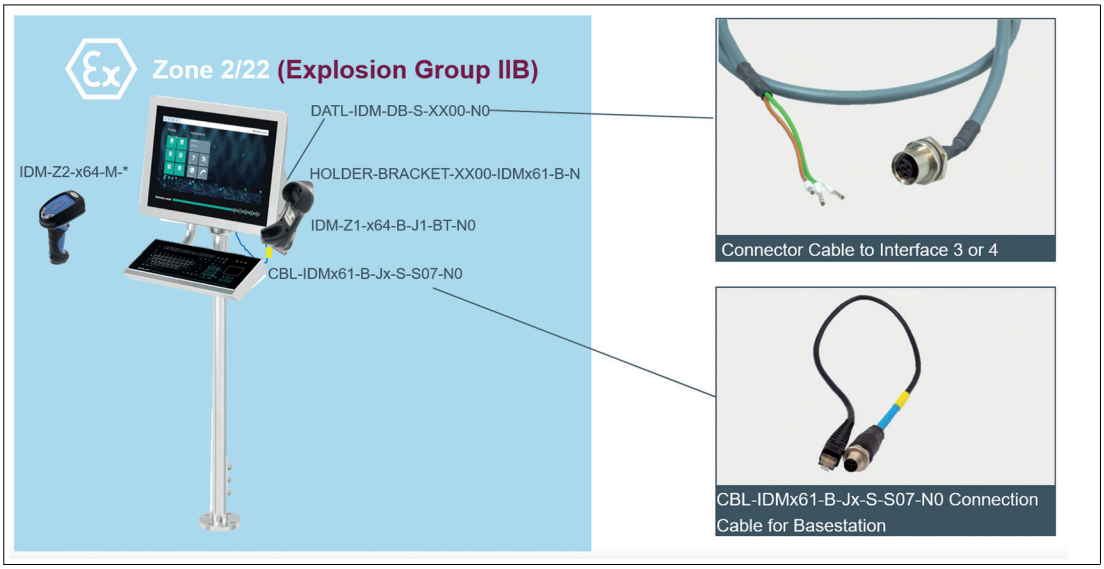


Figure 4.4

Required components:

- VisuNet GXP system with interface "3"
- DATL-IDM-DB-S-XX00-N0 connection cable VisuNet GXP interface
- CBL-IDMx61-B-Jx-S-S07-N0 base station connection cable
- Bluetooth® barcode scanner (1-D or 2-D)
- IDM-Z1-x64-B-J1-BT-N0 base station
- HOLDER-BRACKET-XX00-IDMx61-B-N

Description

The Bluetooth® handheld barcode scanner is designed to be used in explosion-hazardous areas. For proper operation in explosion-hazardous areas, an IDM-Z2-x64-B-J2-BT-N0 base station, the permissible RS-232 cordsets CBL-IDMx60-D-J1-S* and the DATL-IDM-DB-SXX00-N0 connection cable must be used. An accessory cable DATL-IDM-DB-S-XX00-N0 is required for a connection to the VisuNet GXP in the AG-XX00 housing via the interface "3" option. This provides the housing feedthrough and has a connection socket that fits the scanner connection cable. The intrinsically safe power supply and data transfer are realized via the CBL-IDMx61-B-Jx-U-S07-N0 connection cable.

Note

The installation of the IDM-Z2-x64-B-J2-BT-N0 base station with either the IDM-Z2-164-M-1D-J2-BT-P-N0 or IDM-Z2-264-M-2D-J2-BT-N-N0 barcode scanner to the integrated barrier of the VisuNet GXP requires the optional interface "3". Refer to the VisuNet GXP technical data (Module A and B) for further information regarding the interfaces.

Warning!

Zone 2/22 VisuNet GXP system installations are only suitable for use in Explosion Group IIB.

5 Commissioning

The battery BAT-IDM-Z2-x61-M is required for commissioning the Bluetooth® Zone 2/22 handheld barcode scanner.

Caution!

Battery!

Only this battery, which is intended for this purpose, may be used!

5.1 Preparing Bluetooth® Handheld Scanners

Note

Charge the new battery pack for 8 hours prior to the first use!

Warning!

Self discharge of the batteries!

When the batteries are inserted in the barcode reader, they tend to discharge more quickly. This effect can also occur when the barcode reader is not in use and is in stand-by mode. If the batteries are not inserted in the device, they will discharge more slowly. If the batteries are inserted in the scanner, i.e. in stand-by mode, it is recommended to charge them regularly.

Danger!

The battery must not be changed or inserted in explosion-hazardous areas. Improper handling can void the type approval.

Preparation of Bluetooth® handheld scanners

1. The battery compartment is on the underside of the Bluetooth® handheld scanner. Loosen the screw with a suitable tool to remove the cover. After loosening the screw, some force is required to remove the cover.



Figure 5.1 Removing the battery compartment lid.

2. The battery is required to commission the Bluetooth® handheld scanner. The protective cap must be removed before inserting the battery into the handheld scanner.



Figure 5.2 Removing the protective battery cap.

3. The battery is inserted into the compartment on the handheld scanner. The end of the pull tab must be seen protruding out of the opening of the handheld scanner. If the battery is inserted correctly and connected to the contacts, there is an audible and visual signal. The opening must be completely sealed again. Before commissioning, check whether the screw cap has been properly sealed.



Figure 5.3 Inserting the battery and closing the protective cap.

Using the base station in explosion-hazardous areas - system structure 1

1. Use the connection cable CBL-IDMx* to connect the base station to the cable barrier SK-IDM-Z2-J2-*. First, install the RJ50 male connector of the connection cable into the RJ50 port of the base station. The port is on the bottom side of the base station. The connection cable is properly installed when you can hear an acoustical click. Ensure that the connection cable is firmly connected. Then proceed and connect the M12 connector of the connection cable with the female M12 connector of the cable barrier connection cable. This cable is pre-installed and shipped with the cable barrier.

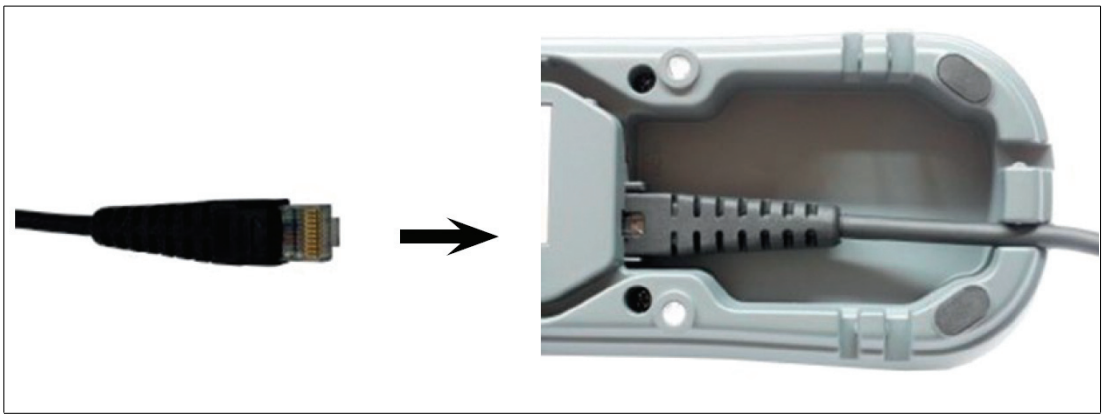


Figure 5.4 Connecting RJ50 connector of connection cable CBL-IDM* to base station.



Figure 5.5 Male M12 connector of connection cable CBL-IDM*.



Figure 5.6 Female M12 connector of pre-installed base connection cable of the cable barrier SK-IDM-Z2-J2-*.



Figure 5.7 Connecting the plug coupling to the supply module basic connection line.

2. The handheld reader is placed in the charger. The underside of the handle is used first to ensure that the charging contacts are properly connected. The LED light on the scanner head indicates successful charging.



Figure 5.8 Inserting the scanner into the base station.

Using the base station in non-explosion-hazardous areas - system structure 2

1. With a non-explosion-protected base station, charging in non-explosion-hazardous areas can be performed using the PSU-IDMx61-BC-N0-N0 power supply. The cable is plugged into the opening for this at the bottom of the base station. For a base station for explosion-hazardous areas, this connection is sealed at the factory.



Figure 5.9 Connecting the power supply for the non-explosion-hazardous base station.

2. To connect in the non-explosion-protected area, the cable to connect to the power supply and to the PC is inserted into the opening for this at the bottom of the base station. An audible click can be heard when the cable is fully inserted. It must be verified that the cable is firmly anchored.



Figure 5.10 Connecting the RJ50 cable to the base station.

3. The handheld scanner is placed in the charger. The underside of the handle is used first to ensure that the charging contacts are properly connected. The LED light on the scanner head indicates successful charging.



Figure 5.11 Inserting the scanner into the base station.

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5.2 Pin allocation of supply cable SK-IDM-Z2-J2-5M-S-N RS-232 interface

Supply of the base station zone 2/22 according to system configuration 1, 2 and 4 via plug-in connection plug/coupler.

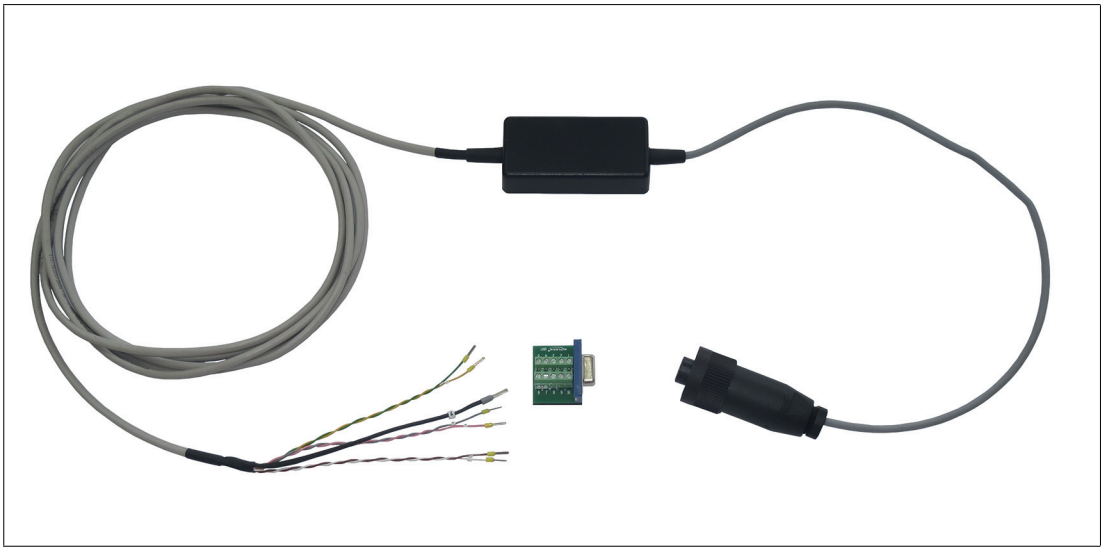


Figure 5.12

Note

The serial connection cables come with a yellow marking.

Warning!

Do not open the housing!

Before the unit is put into operation in a potentially explosive atmosphere, it must be ensured that the housing is closed and not damaged.

Note

Changes to the pin assignmentmay only be carried out by trained and qualified personnel.

Connection of the base station zone 2/22 to the supply cable RS-232 via plug-in connection plug/coupler

Basic connection cable RS-232		Supply Cable	
Pin assignment connector		Connection coupling	
Pin	Designation	Pin	Designation
2	GND (brown)	2	GND (brown)
3	TxD (white)	3	RS-232 - TxD (white)
1	+UB (yellow)	1	Supply (yellow)

Supply and data transmission with RS-232 interface to a host PC outside the hazardous area

Supply Cable		
Connection coupling		
Pin	Designation	9-pole Sub-D RS-232 Pin
1	TxD / RS-232 (white)	2
2	GND / RS-232 (white)	5
3	TxD + / RS-422 (yellow)	
4	TxD - / RS-422 (green)	
5	GND (gray)	
6	+UB (pink)	
7	Shielding	SHL

Note

The wires are connected with the enclosed Sub-D plug. Supply via wires 5 and 6. When connecting without Sub-D, the shield must be connected to GND. The supply line can also be operated with RS-422 interfaces. The wires of the RS-422 connections must remain twisted up to the contact.

Note

Information relating to programming from the SICK AG manual (www.SICK.com) is required for the complete commissioning of the handheld reader.

5.3 Pin allocation of supply cable SK-IDM-Z2-J2-1M-U-N USB interface

Supply of the base station zone 2/22 according to system configuration 3 via plug-in connection plug/coupler.



Figure 5.13

Note

The USB connection cables come with a green marking.

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Warning!

Do not open the housing!

Before the unit is put into operation in a potentially explosive atmosphere, it must be ensured that the housing is closed and not damaged.

Note

Changes to the pin assignment may only be carried out by trained and qualified personnel.

Connection of the base station zone 2/22 to the supply cable USB via plug-in connection plug/coupler

Basic connection cable RS-232		Supply Cable	
Pin assignment connector		Connection coupling	
Pin	Designation	Pin	Designation
1	+UB (brown/red)	1	+UB (red)
2	D- (white)	2	D- (white)
3	D+ (green)	3	D+ (green)
4	GND (black)	4	GND (black)

Supply and data transmission with USB interface to a host PC outside the hazardous area

Supply cable	
Designation	USB Pin
+UB	1 (red)
D-	2 (white)
D+	3 (green)
ID	4
GND	5 (black)

Note

Information relating to programming from the SICK AG manual (www.SICK.com) is required for the complete commissioning of the handheld reader.

6 Accessories

Bluetooth® Handheld Scanner Mounting Accessories

Item no.	Product name	Description	Photo
#548267	SCANNER-HOLDER-U1-XX00-N0	Reader holder compatible with Housing AG-XX00 Material: Stainless steel AISI 304 (1,4301) Compatible with IDMx6x, ecom Ident-Ex® 01 and PSCAN Prepared for mounting to right side of housing	
#548268	SCANNER-HOLDER-U1-AG1-N0	Reader holder compatible with Housing AG1 Material: Stainless steel AISI 304 (1,4301) Compatible with IDMx6x, ecom Ident-Ex® 01 and PSCAN Prepared for mounting to right side of housing	
#70129840	SCANNER-HOLDER-U1-3200-N0	compatible with AG-3200 (VisuNet FLX) Material: stainless steel Holder for IDMx6x handheld readers and Ident-Ex® 01 Mounting bracket, simple and fast mounting	
#548353	SCANNER-HOLDER-IDMx6x-TRIPOD	Tripod reader holder Compatible to IDMx6x code reader	
#548354	SCANNER-HOLDER-IDMx6x-DESKTOP	Desktop reader holder Compatible to IDMx6x code reader	
#70147948	KIT-IDM-Z2-USB-N0	IDM Z2 USB Scanner Kit for VisuNet FLX 3200 System compatible with mounting adapter ADAPTER-3200-10-304B-M12 compatible with IDM Z2 USB Scanner & base station Consists of: - 1x M12 Panel Feed Through for FLX mounting adapter (ADAPTER-3200-10-304B-M12) - 1x strain relief latch ATEN Lockpro - 1x cable clamp	

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Bluetooth® Handheld Scanner Accessories for VisuNet HMI Applications

Item no.	Product Name	Description	Photo
#70158522	IDM-Z2-x64-B-J2-BT-N0	Bluetooth® reader base station & charger Explosion protection: ATEX&IECEx-Zone 2/22 Radio interface: Bluetooth® Protocol: USB/Serial (depends on connection cable) Compatible with IDM-Z2-x64-M-* Bluetooth® code readers NOTE: Connection cable not included. Order separately!	
#70158523	IDM-Z2-x64-B-N0-BT-N0	Bluetooth® reader base station & charger Explosion protection: non-Ex, for use in non-explosion-hazardous area only! Radio interface: Bluetooth® Protocol: USB/Serial (depends on connection cable) Compatible with IDM-Z2-x64-M-* Bluetooth® code readers NOTE: Connection cable not included. Order separately!	
#70142702	IDM-Z2-x61-C-N0-BT-N0	Charger cradle for 1D & 2D Bluetooth® reader Explosion protection: non-Ex, for use in non-explosion-hazardous area only! Compatible with IDM-Z2-x61-M Bluetooth® code readers NOTE: Order connection cable separately!	

Item no.	Product Name	Description	Photo
#548396	HOLDER-BRACKET-XX00-IDMx61-B-N	Bracket to mount IDM-Z1-x64-B-J1-BT-N0 base station to AG-XX00 housing. - Material: Stainless steel AISI 304 (1.4301) - Assembly: Right side of AG-XX00 housing - Includes bracket and installation materials - Note: Base station and cables not included!	
#548395	HOLDER-BRACKET-AG1-IDMx61-B-N0	Bracket to mount IDM-Z1-x64-B-J1-BT-N0 base station to AG1 housing - Material: Stainless steel AISI 304 (1.4301) - Assembly: Right side of AG1 housing - Includes bracket and installation materials - Note: Base station and cables not included!	
#70129841	HOLDER-BRACKET-3200-IDMx61-B-N	Bracket to mount IDM-Z1-x64-B-J1-BT-N0 base station to AG-3200 housing - Material: Stainless steel AISI 304 (1.4301) - Assembly: Right side of AG-3200 housing - Includes bracket and installation materials - Note: Base station and cables not included!	
#70142693	HOLDER-BRACKET-SK-IDM-Z2-N0	Bracket to wall-mount SK-IDM-Z2-J2-* barrier - Material: Stainless steel AISI 304 (1.4301) - NOTE: Barrier not included!	

Bluetooth® Handheld Scanner Accessories

Item no.	Product Name	Description	Cable	Photo
#548345	CBL-IDMx61-B-N0-S-S18-N0	Serial connection cable for base station Explosion protection: non-Ex, for use in non-explosion-hazardous area only! Interface: RJ50 (cradle) to SUB-D9 connector Protocol: serial Compatible with IDM-Zx-x64-B-N0-*	Straight 1,8-m length	
#548346	CBL-IDMx61-B-N0-S-C38-N0	Serial connection cable for base station Explosion protection: non-Ex, for use in non-explosion-hazardous area only! Interface: RJ50 (cradle) to SUB-D9 connector Protocol: serial Compatible with IDM-Zx-x64-B-N0-*	Coiled 3.8-m length	

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Item no.	Product Name	Description	Cable	Photo
#548343	PSU-IDMx61-BC-N0-N0	AC/DC Power supply for base station & charger Input: 230 V AC Explosion protection: non-Ex, for use in non-explosion-hazardous area only! Compatible with non-Ex base station & charger IDM-Zx-x64-B-N0-BT-N0 and IDM-Zx-x61-C-N0-BT-N0	Only required in combination with Serial connection cable for base station (SUB-D9 connector)	
#548347	CBL-IDMx61-B-N0-U-S18-N0	USB connection cable for base station Explosion protection: non-Ex, for use in non-explosion-hazardous area only! Interface: RJ50 (cradle) to USB Type A connector Protocol: USB Compatible with IDM-Zx-x64-B-N0-*	Straight 1.8-m length	
#548348	CBL-IDMx61-B-N0-U-C38-N0	USB connection cable for base station Explosion protection: non-Ex, for use in non-explosion-hazardous area only! Interface: RJ50 (cradle) to USB Type A connector Protocol: USB Compatible with IDM-Zx-x64-B-N0-*	Coiled 3.8-m length	
#70144009	CBL-IDMx61-B-Jx-S-S07-N0	Serial connection cable for base station Explosion protection: suitable for Zone 1/21 & Zone 2/22 Interface: RJ50 (cradle) to M12 male connector Protocol: serial Compatible with IDM-Zx-x64-B-* base station	Straight 0.7-m length	
#548349	CBL-IDMx61-B-J1-S-S18-N0	Serial connection cable for base station Explosion protection: suitable for Zone 1/21 & Zone 2/22 Interface: RJ50 (cradle) to M12 male connector Protocol: serial Compatible with IDM-Zx-x64-B-* base station	Straight 1.8-m length	
#548350	CBL-IDMx61-B-J1-S-C38-N0	Serial connection cable for base station Explosion protection: suitable for Zone 1/21 & Zone 2/22 Interface: RJ50 (cradle) to M12 male connector Protocol: serial Compatible with IDM-Zx-x64-B-* base station	Coiled 3.8-m length	

Item no.	Product Name	Description	Cable	Photo
#70144010	CBL-IDMx61-B-Jx-U-S07-N0	USB connection cable for base station Explosion protection: suitable for Zone 1/21 & Zone 2/22 Interface: RJ50 (cradle) to M12 male connector Protocol: USB Compatible with IDM-Zx-x64-B-* base station	Straight 0.7-m length	
#548351	CBL-IDMx61-B-J1-U-S18-N0	USB connection cable for base station Explosion protection: suitable for Zone 1/21 & Zone 2/22 Interface: RJ50 (cradle) to M12 male connector Protocol: USB Compatible with IDM-Zx-x64-B-* base station	Straight 1.8-m length	
#548352	CBL-IDMx61-B-J1-U-C38-N0	USB connection cable for base station Explosion protection: suitable for Zone 1/21 & Zone 2/22 Interface: RJ50 (cradle) to M12 male connector Protocol: USB Compatible with IDM-Zx-x64-B-* base station	Coiled 3,8-m length	

Cable Barriers

Item no.	Product name	Description	Photo
#70142704	SK-IDM-Z2-J2-1M-U-N	Cable-Barrier for corded 1-D & 2-D reader & base station Explosion protection: ATEX & IECEx Zone 2/22 Protocol: USB (via USB Type A connector) Scanner connection: USB Ex ic (via M12 female socket) Supply: 5 V DC (via host PC USB port) Cable length: 0,9m (fix length) Compatible with IDM-Z2-* devices with USB connection cables	
#70142705	SK-IDM-Z2-J2-5M-S-N	Cable-Barrier for corded 1-D & 2-D reader & base station Explosion protection: ATEX & IECEx Zone 2/22 Protocol: RS-232/422 to host Supply: 8 .. 30 V DC Scanner connection: Serial protocol Ex ic (via M12 female socket) Cable length: 5 m (fix length) Compatible with IDM-Z2-* devices with series connection cables	

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Ex e Junction Box Ex e for Long Communication Distances

Item number	Product name	Description	Photo
#70142118	GR.TJE.13.13.09.B-S0008	Enclosure material: glass fiber reinforced polyester (GRP) Enclosure size (HxWxD): 130 x 130 x 130 mm Finish: inherent color black Enclosure cover: fully detachable Gasket: foamed silicone Explosion protections gas: Ex eb IIC T4 Gb Explosion protection dust: Ex tb IIIC T135°C Db Ambient temperature: -40°C to +60°C Degree of protection: IP66 Certification: ATEX, IECEx & UKEx (others on request) Equipped with: 7x MUT2.5, labeled "1-7" 2x MUT2.5-PE, labeled "PE" 1x M20 – top centered 1x M16 (connection barcode reader cable) – bottom centered 1x blind plug or cable gland M16 left side 1x Blind plug or cable gland M20 right side	

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