

# Instruction Manual

## 1. Marking

Bluetooth Handheld Scanner, 1-D IDM-Z1-164-M-1D-J1-BT-P-N0
Equipment protection level Gb ATEX certificate: IBExU 18 ATEX 1050 ATEX marking: Ⓜ II 2G Ex ib IIB T4 Gb IECEX certificate: IECEX IBE 18.0009 IECEX marking: Ex ib IIB T4 Gb
Equipment protection level Db ATEX certificate: IBExU 18 ATEX 1050 ATEX marking: Ⓜ II 2D Ex ib IIIC T135°C Db IECEX certificate: IECEX IBE 18.0009 IECEX marking: Ex ib IIIC T135°C Db
Bluetooth Handheld Scanner, 2-D IDM-Z1-264-M-2D-J1-BT-N-N0
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## 2. Validity

Specific processes and instructions in this instruction manual require special provisions to guarantee the safety of the operating personnel.

## 3. Target Group, Personnel

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

The personnel must be appropriately trained and qualified in order to carry out mounting, installation, commissioning, operation, maintenance, and dismantling of the device. The trained and qualified personnel must have read and understood the instruction manual.

## 4. Reference to Further Documentation

Observe laws, standards, and directives applicable to the intended use and the operating location. Observe Directive 1999/92/EC in relation to hazardous areas.

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Refer to the relevant EU-type examination certificate to see the relationship between the connected circuit type, the maximum permitted ambient temperature, the surface temperature, and the effective inner reactances.

The corresponding datasheets, manuals, declarations of conformity, EU-type examination certificates, certificates, and control drawings if applicable (see datasheet) are an integral part of this document. You can find this information under [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com).

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](http://www.pepperl-fuchs.com).

Due to constant revisions, documentation is subject to permanent change. Please refer only to the most up-to-date version, which can be found under [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com).

## 5. Intended Use

The device is only approved for appropriate and intended use. Ignoring these instructions will void any warranty and absolve the manufacturer from any liability.

The device allows the acquisition of data under extreme conditions. The device ensures the reliable reading of 1-D barcodes and/or 2-D stacked codes. The device is intended for use in industrial applications.

Take the intended use of the connected devices from the corresponding documentation.

The device is an electrical apparatus for hazardous areas.

The device is intended for indoor use.

The device is designed for a maximum altitude of 2000 m.

## 6. Improper Use

Protection of the personnel and the plant is not ensured if the device is not used according to its intended use.

## 7. Mounting and Installation

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

Only use accessories specified by the manufacturer.

Prior to mounting, installation, and commissioning of the device you should make yourself familiar with the device and carefully read the instruction manual.

The device must only be operated in the specified ambient temperature range and at the specified relative humidity without condensation.

### Requirements in Relation to Electrostatics

Avoid electrostatic charges which could result in electrostatic discharges while installing, operating, or maintaining the device.

An electrostatic charge poses an ignition hazard in case of discharge.

## 8. Operation, Maintenance, Repair

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

Observe the warning markings.

Only operate the device with a closed Ex e terminal compartment.

Do not use a damaged or polluted device.

Do not repair, modify, or manipulate the device.

The device must not be repaired, changed, or manipulated. In case of failure, always replace the device with an original device.

When detecting a damage, remove the device from the hazardous area.

If there is a defect, always replace the device with an original device.

Avoid inadmissibly high electrostatic charge on the device.

If cleaning is necessary while the device is located in a hazardous area, in order to avoid electrostatic charging only use a clean damp cloth.

Observe IEC/EN 60079-17 for maintenance and inspection.

If the device is installed in potentially explosive dust atmosphere, remove dust layers which exceed 5 mm in regular intervals.

Remove the dust before opening the terminal compartment.

## 9. Delivery, Transport, Disposal

Check the packaging and contents for damage.

Check if you have received every item and if the items received are the ones you ordered.

Always store and transport the device in the original packaging.

Store the device in a clean and dry environment. The permitted ambient conditions must be considered, see datasheet.

The device, built-in components, packaging, and any batteries contained within must be disposed in compliance with the applicable laws and guidelines of the respective country.