


Instruction Manual

1. Marking

Modem HM-MT-BT-EX-010041
Equipment protection level: Ga ATEX marking:  II 1 G Ex ia IIC T4 Ga IECEX marking: Ex ia IIC T4 Ga
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2. Validity

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.

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

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.

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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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. Intended Use

The device is an apparatus certified for use in hazardous areas rated according to ATEX directive and IECEx Zones 0, 1, and 2. The device is also UL listed for use in Class I, Division 1 or Division 2 and Class I, Zone 0 hazardous areas.

The device is used in control and instrumentation technology (C&I technology) for wireless data transfer from HART devices.

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

Use the device only within the specified ambient and operating conditions. Take the intended use of the connected devices from the corresponding documentation.

The device is an electrical apparatus for hazardous areas.

The device is an intrinsically safe apparatus according to IEC/EN 60079-11.

When connecting intrinsically safe devices with intrinsically safe circuits of associated apparatus, observe the maximum peak values with regard to explosion protection (verification of intrinsic safety). Observe the standards IEC/EN 60079-14 or IEC/EN 60079-25.

5. Improper Use

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

6. Operation, Maintenance, Repair

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

Do not repair, modify, or manipulate the device.

Do not use a damaged or polluted device.

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

If there is a defect, the device must be repaired by Pepperl+Fuchs.

Observe the warning markings.

Do not remove the warning markings.

The housing is factory-sealed. Do not open the housing.

If the internal equipment contains a battery and a potentially explosive atmosphere is present, do not open the enclosure.

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

Retrieve the temperature class dependant temperature ranges from the EU-type examination certificate.

Regarding the verification of intrinsic safety, observe the maximum permissible external capacitance of this device and the other devices in the circuit.

When replacing the battery, use batteries of the correct type only. Using the wrong type of battery may cause damage to the device. Furthermore, using the wrong type of battery voids the certification of the device.

7. 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.

Disposing of device, packaging, and possibly contained batteries must be in compliance with the applicable laws and guidelines of the respective country.