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1. General information about these instructions

With the purchase of this product from ecom instruments GmbH you have obtained a reliable, high-performance solution for everyday work in the industrial environment.

Before beginning operation, the associated documents should always be read carefully by skilled personnel. These safety instructions contain information and safety regulations that must be followed to ensure safe and reliable operation during installation, start-up, normal operation and shut-down of the unit under the described conditions. Non-observance of the information and instructions can have dangerous consequences and/or may contravene applicable regulations.

In the event of any doubt or discrepancies (for example, due to translation or printing errors), the German version of these safety instructions shall prevail. For legal purposes our „General terms and conditions“ shall also apply as a supplement to these instructions.

We reserve the right to change the contents of this document without notice. No responsibility is taken for the correctness of information provided in this publication. Specifically, this information does not contain any warranted characteristics. Any risks arising from the use of this information shall be borne by the user.

The current version of this short version of the safety instructions, the long version of the safety instructions, of the „Introduction“ or „Getting started“ booklets, EC Declaration of Conformity and the Ex-certificate are available for download from the relevant product page under www.ecom-ex.com; alternatively they can be requested directly from ecom instruments GmbH.

2. Errors and load restrictions

If there is any risk that the safety or integrity of the unit has been compromised, the unit must be taken out of operation immediately and removed from the Ex-area without delay. Action must be taken to prevent the device from being accidentally placed into operation again.

We recommend sending the unit back to ecom instruments GmbH to be examined.

The safety and reliability of the unit may be at risk if, for example:

- Damage is visible on the housing
- The unit has been subjected to excessive loads for which it is not designed
- The unit has been improperly stored
- The unit has been damaged in transit
- Labels or markings on the unit are illegible
- Malfunctions occur
- Permitted tolerances or threshold values have been exceeded

3. Safety regulations – General safety instructions

Persons using the unit must observe the standard safety regulations and read the certificate to prevent incorrect operation or misuse of the unit.

The following additional safety regulations must also be observed:

- The unit must not be opened within the Ex-area.
- The battery may only be changed by ecom instruments GmbH or a person trained by ecom instruments GmbH outside of the Ex-area.
- Additional or spare batteries must not be carried in the Ex-area.
- The battery may only be charged outside the Ex-area with the designated charging device LG x10 or USB x10.
- After the battery is charged, observe a waiting period of 3 minutes and conduct a brief functional test before taking it into the Ex-area.
- Avoid using the unit in aggressive acidic or alkaline solutions.
- Ensure that the i.roc 62* -Ex unit is not taken into Zone 0 or 20 areas.
- Ensure that the i.roc 52* -Ex unit is not taken into Zone 1/0 or 21/20 areas.
- Ensure that the i.roc 42* unit is not taken into the Ex-area.
- Electromagnetic waves, which can arise with the i.roc when using WLAN or Bluetooth functions, can cause disturbances and endanger your health!
Since no definite statements can currently be made about the immunity from disturbances of heart pacemakers, we recommend users of pacemakers to avoid using transmitters generally.
- Do not transmit near persons with pacemakers!
- Do not direct the infrared beam of the integrated IrDA, the LEDs of the optional barcode imager, or the laser beam of the optional barcode reader at another person's eyes, or at other equipment unless you are sure that no malfunctions will result.
- Permission to use electronic devices in aeroplanes is up to the respective airline.
- Avoid effects of elevated heat: Do not place the device near heat sources, such as radiators, air-conditioner air exit openings, stoves or other devices (including amplifiers) that radiate heat.
- Avoid effects of moisture.
- Do not put any objects into the product: Do not put objects into the housing or other product openings. These openings must not be obstructed, blocked or covered.
- Set-up: Never set up the product on a table, vehicle, stand or holder that is not stable. Follow the manufacturer's instructions when setting up or installing the product, and use the accessories recommended by the manufacturer for installation.
- Adjust loudness: Reduce the volume before using earphones or other audio devices.

4. Possible equipment, options and accessories

The basic version of the i.roc x20 can be fitted with optional device heads. These device heads may only be exchanged by ecom instruments GmbH or a person trained by ecom instruments GmbH outside of the Ex-area. Only the device heads and accessories listed in the long version of these safety instructions are approved for use in the Ex-area.

5. Information on wireless devices

In some environments, the use of wireless devices may be prohibited or restricted. This can be the case on aeroplanes, in hospitals, near explosive materials or under other dangerous conditions. If you are not certain what rules apply for using the device, ask permission before switching it on.

6. Note for the European Union

The WLAN function of this product in accordance with IEEE 802.11b and the Bluetooth function can be used in the following EU and EFTA countries: Belgium, Denmark, Germany, Estonia, Finland, Greece, United Kingdom, Ireland, Iceland, Italy, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Austria, Portugal, Sweden, Switzerland, Slovenia, Spain and Hungary. In France, only certain channels are available for the WLAN operation of this product under IEEE 802.11b (only channels 10, 11, 12 and 13). Special rules of the Autorité de régulation des télécommunications (ART), which permit the use of other channels, apply for hotspots. You can get information about local rules and authorisation from ART (<http://www.art-telecom.fr>)

7. Notes for the U.S.A.

High-frequency radiation can create a load. This device's radiation emission is below the FCC limits for high-frequency radiation. Still, the device should be operated so that contact with people is avoided as much as possible during normal operation. People should not stay near the antennas during normal operation to avoid the possibility that the FCC limits for high-frequency radiation may be exceeded.

8. Notes for Canada

The following conditions for operating this device should be observed: (1) This device must not generate interference and must (2) absorb interference received, even if this can lead to malfunctions in the device's operation. If the term „IC:“ appears before the licensing registration number, that means that the requirements under Industry Canada Standard have been met.

9. Note for flights

Permission to use electronic devices in aeroplanes is up to the respective airline.

10. Battery care

- The battery should be charged completely before the first use.
- Note that the maximum capacity of the battery is achieved only after about six charging and discharging cycles.
- Since the performance of batteries declines over time, they should be completely discharged occasionally to maintain their full capacity. When doing this, leave the unit turned on until it turns itself off. Then completely charge the battery outside the Ex-area.
- Before any longer periods of non-use the battery must be fully charged and recharged regularly (every 3 months).

11. Repairs

Repair work is subject to the nationally valid regulations and directives. We therefore recommend that such work be performed by ecom instruments GmbH, as all repairs must be examined to ensure functional safety.

12. Cleaning, maintenance and storage

- Only use a suitable cloth or sponge to clean the unit. Do not use solvents or abrasive cleaning agents to clean the unit.
- We recommended having the function and the accuracy of the unit checked by ecom instruments GmbH every two years.
- The storage temperature must remain within the specified limits!

13. Disposal

Electrical devices and „historic“ electrical devices of ecom instruments GmbH are transported to us for the obligatory disposal at our cost and are disposed free of charge in accordance with the European Directive 2002/96/EC and the German Electrical and Electronic Equipment Law of 16 March 2005. The costs of transporting the equipment to ecom instruments GmbH are to be borne by the sender.

14. Warranty and liability

Under the general terms and conditions of business, ecom instruments GmbH offers a 2-year warranty for function and materials on this product under the specified operating and maintenance conditions. Not covered are all wearing parts (e.g. batteries, displays, touch screens, etc). We give a manufacturer's warranty of six months especially for the supplied Ex-batteries.

This warranty does not extend to products that have been used improperly, altered, neglected, damaged by accident or subjected to abnormal operating conditions or improper handling.

In the event of a warranty claim, the faulty device should be sent in. We reserve the right to re-calibrate, repair or replace the device.

The above warranty terms represent the sole rights of the purchaser to compensation and apply exclusively and in place of all other contractual or statutory warranty obligations. ecom instruments GmbH does not accept liability for specific, direct, indirect, incidental or consequential damages or losses, including the loss of data, regardless of whether they are caused by breach of warranty, lawful or unlawful actions, actions in good faith or other actions.

If in certain countries the restriction of statutory warranty and the exclusion or restriction of incidental or consequential damages is unlawful, then it may be possible that the above restrictions and exclusions do not apply for all purchasers. If any clause in these warranty terms is found to be invalid or unenforceable by a competent court, then such a judgement shall not affect the validity or enforceability of any other clause contained in these warranty terms.

Communication
Torches/Flashlights
Mobile Computing
Measuring & Calibration

WEEE-Reg.-Nr. DE 934 99306

3500 AL03 A00 04/06 Änderungen vorbehalten! Subject to change without notice!

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