



Bluetooth Scanner **Ident-Ex® 01**

Safety Instructions

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### Note:

The current safety instructions, operating instructions, EC Declaration of Conformity and the Certificates of Conformity can be downloaded from the relevant product page at [www.ecom-ex.com](http://www.ecom-ex.com), or alternatively they can be requested directly from the manufacturer.

## **1. Application**

The Bluetooth scanner Ident-Ex 01 are intended for use in industrial application in that have areas increased risk of explosion.

## **2. Safety Precautions**

These safety instructions contain information and safety regulations, which are to be observed to ensure the safe operation of the equipment in the described conditions. Non-observance of this information and these instructions can have serious consequences or it may violate the specific regulations regarding the use of the equipment in the Ex area.

Please read these safety instructions carefully before starting to use the equipment! In the event of conflicting information, the details specified in the safety precautions shall apply. In case of any doubt (in form of translating or printing errors) the English version shall apply.

## **3. Faults and Damages**

If there is any reason to suspect that the safety of the equipment has been impaired, it must be withdrawn from use and removed immediately from the hazardous area. Measures must be taken to prevent it from being used again within the hazardous area accidentally.

The safety of the device may be compromised, if, for example:

- There is visible damage to the housing.
- The unit has been subjected to excessive loads.
- The unit has been improperly stored.
- The unit has been damaged in transit.
- The markings or inscriptions are unreadable.
- Malfunctions occur.
- Permitted limit values have been exceeded.

## **4. Safety Regulations**

Use of the intrinsic safe Bluetooth Scanner assumes that the operator observes the conventional safety regulations and has read the certificate of conformity in order to eliminate faulty operation of the device.

The following items are to be observed:

- The device may not be disassembled at any time.
- The device should not be operated in zones 0 or 20.
- Customer is not allowed to change the head modules.



Ex ia IIIC T135°C Db

Ambient temperature:  $-20\text{ °C} \leq T_a \leq +50\text{ °C}$

## **6. Regulatory**

### **FCC COMPLIANCE STATEMENT IDENT-EX 01**

Users of this product are cautioned to use accessories and peripherals approved by ecom instruments GmbH. The use of accessories other than those recommended, or changes to this product that are not approved by ecom instruments GmbH, may void the compliance of this product and may result in the loss of the user's authority to operate the equipment.

### **FCC Digital Emissions Compliance**

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

### **Radiation Exposure Statement**

This device complies with part 15 of the FCC Rules and Industry Canada license exempt RSS standard(s). Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

### **FCC § 15.21 Information to user**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## **Industry Canada Statement**

### **Caution:**

Users of this product are cautioned to use accessories and peripherals approved by ecom instruments GmbH. The use of accessories other than those recommended, or changes to the product that is not approved by ecom instruments GmbH may void the compliance of this product and may result in the loss of the user's authority to operate the equipment

## **Canadian Digital Apparatus Compliance**

This device complies with Industry Canada license-exempt RSS standards. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

## **Canada Class A Statement**

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

## **CE COMPLIANCE STATEMENT IDENT-EX 01**

Users of this product are cautioned to use accessories and peripherals approved by ecom instruments GmbH. The use of accessories other than those recommended, or changes to this product that are not approved by ecom instruments GmbH, may void the compliance of this product and may result in the loss of the user's authority to operate the equipment.

This equipment may be operated in the following countries without restriction:

AT, BE, CY, CZ, DK, EE, FI, DE, GR, HU, IE, IT, LV, LT, LU, MT, NL, PL, PT, SK, SI, ES, SE, GB, IS, LI, CH, BG, RO, TR

802.11 b/g or Bluetooth Restrictions (Revision ERC/REC 70-03 E 2012-07, Annex3 Band A):

NO: This subsections does not apply for the geographical area within a radius of 20 km from the center for Ny-Ålesund.

## FCC COMPLIANCE STATEMENT HEAD MODULES

### Laser Compliance and Precaution

The SN-SE955 and Ex25i is registered with the CDRH as a Class II Laser Product (21 CFR Subchapter J, Part 1040). This product has a maximum output of 1 mW at 630 to 670 nm.

**Caution:** There are no user serviceable parts inside the SE955 or Ex25i. Use of controls or adjustments, or performance of procedures other than those specified herein, may result in hazardous laser light exposure of up to mW at 630 to 670 nm. Complies with 21CFR1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50,0 dated July 26, 2001.

EN 60825-1:2007

IEC 60825-1:2007



**Caution:** Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous laser light exposure. Class 2 laser scanners use a low power, visible light diode. As with many very bright light source, such as the sun, the user should avoid staring directly into the light beam. Momentary exposure to a Class 2 laser is not known to be harmful.

### U.S.A. Digital Emissions Compliance

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

### **FCC RF Exposure Statement**

This device complies with part 15 of the FCC Rules and Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

### **FCC § 15.21 Information to user**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### **Canadian Digital Apparatus Compliance**

This device complies with Industry Canada license-exempt RSS standards. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### **CE COMPLIANCE STATEMENT HEAD MODULES**

Users of this product are cautioned to use accessories and peripherals approved by ecom instruments GmbH. The use of accessories other than those recommended, or changes to this product that are not approved by ecom instruments GmbH, may void the compliance of this product and may result in the loss of the user's authority to operate the equipment.

### **Radiation Exposure Statement**

Warning: This equipment complies with International Commission on Non-Ionizing Radiation Protection (ICNIRP), IEEE C95.1, Federal Communications Commission Office of Engineering and Technology (OET) Bulletin 65, Canada RSS-102, and European Committee for Electrotechnical Standardization (CENELEC) limits for exposure to radio frequency (RF) radiation.

If a body worn accessory is not purchased from ecom instruments GmbH, the accessory must contain no metal.



This equipment may be operated in the following countries without restriction: AT, BE, CY, CZ, DK, EE, FI, DE, GR, HU, IE, IT, LV, LT, LU, MT, NL, PL, PT, SK, SI, ES, SE, GB, IS, LI, CH, BG, RO, TR

802.11 b/g or Bluetooth Restrictions (Revision ERC/REC 70-03 E 2012-07, Annex3 Band A): NO: This subsections does not apply for the geographical area within a radius of 20 km from the center for Ny-Ålesund.

## **7. Repair**

Repairs are to be conducted by ecom instruments GmbH or by personnel or service centers authorized by ecom instruments GmbH only due to the safety of the device needs to be tested after repairs are implemented.

The actual repair report sheet can be downloaded from the service are at [www.ecom-ex.com](http://www.ecom-ex.com).

## **8. Safety precautions for the battery**

Damaged batteries and chargers should be removed from use and sent to ecom instruments GmbH for inspection.

Note:

- Extreme temperatures can have an adverse effect on charging the battery.
- Do not dispose of the device in a fire.
- Dispose of the device in accordance with local regulations and not with normal household waste.

A high quality lithium-ion battery is used in your Ident-Ex 01. These batteries have numerous advantages in everyday use, such as a low weight and high capacity in a nevertheless compact construction. In addition these batteries also exhibit practically no memory effect. However, these batteries are susceptible to a natural aging process which impairs their functionality.

Modern batteries today have a lifespan of around 500 charge cycles, which, when used daily, corresponds to a service life of approximately two years. The ageing process increases rapidly after this period, which means that the batteries are deemed technically defective after 500 charge cycles. Moreover, the battery cells could expand and cause irreparable damage to your device in a worst case scenario.

For this reason rechargeable batteries with lithium cells should be replaced after two years at the latest or after reaching a battery capacity that is 50% of its initial value.

Note:

The battery used in this unit poses a fire hazard and can cause chemical injuries if it is used improperly. Neither the battery nor the battery cells should be opened or disassembled and they should not be burned or exposed to temperatures exceeding 212 °F (100 °C).

## **9. Cleaning, maintenance and storage**

- Only use a suitable cloth or sponge to clean the bluetooth scanner.
- Do not use any solvents or abrasive cleaning agents when cleaning.
- It is recommended that you have the functionality and accuracy of the bluetooth scanner inspected by the manufacturer every two years.
- Storage temperature for shipping is <35°C. Recommended temperature less than 23°C for long term storage.

## **10. Disposal**

Old electrical devices by ecom instruments GmbH will be directed to disposal at our expense and disposed of free of charge in accordance with European Directive 2002/96/EC. Please follow local regulations for the disposal of electronic products.

The costs associated with returning devices to ecom instruments GmbH are to be borne by the sender.

In accordance with Article 1, Section 18 and Article 2 of the Act revising the law of Waste-Related Product Responsibility for Batteries and Accumulators (Gesetz zur Neuregelung der abfallrechtlichen Produktverantwortung für Batterien und Akkumulatoren) dated 25 June 2009, we are obligated to provide the following information.

Your device contains a rechargeable lithium battery.


Depleted batteries or rechargeable batteries that can no longer be recharged should never be disposed of along with normal or household waste. Old batteries can contain harmful substances that are hazardous to health and damaging to the environment.

Please return the batteries/rechargeable batteries. Return is free of charge and required by law. Please only dispose of discharged batteries in the designated containers and tape the terminals of lithium batteries.

Note: The battery used in this unit poses a fire hazard and can cause chemical injuries if it is used improperly. Neither the battery nor the battery cells should be opened or disassembled and they should not be burned or exposed to temperatures exceeding 100 °C.

If the battery needs to be disposed of, it can be removed as described under point (7). The disposal regulations specified above are also applicable for old devices. All batteries and rechargeable batteries can be recycled. Precious raw materials such as iron, zinc and nickel can therefore be reused.



The symbol  has the following meaning: Old electrical devices should not be disposed of along with normal or household waste.

## **11. Warranty and liability**

The warranty of this product follows the General Conditions of Delivery and Payment of ecom instruments GmbH, which are available at [www.ecom-ex.com](http://www.ecom-ex.com), or alternatively they can be requested directly from the manufacturer. This warranty can be extended by the optional Service Level Agreement.

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PA000676 | 10/2016

300030AL05A02 / 10/2016 | WEEE-Reg.-Nr. DE 934 99306

Änderungen vorbehalten! Subject to change without notice.

ecom instruments GmbH | Industriestraße 2 | 97959 Assamstadt | Germany

Phone +49 62 94 42 24 0 | Fax +49 62 94 42 24 100

sales@ecom-ex.com | www.ecom-ex.com