

HM930EX Speaker-Microphone EX

**ATEX/IECEx speaker-Microphone unit
for TP9000EX Thor 1 Radio**



User guide

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Important information

Safe use of ATEX equipment:

- Use only with correct ATEX approved equipment.
- Alternatively ATEX approved accessories in compliance with the accessory connector ATEX specification may be used.

For your safety

It is very important that you read the following instructions and safety advices. Since these accessories are intended to be used in hazardous areas, it is of great importance to observe that no damage has been applied to endanger the safety of the equipment. If for example the equipment shows signs of damages on the enclosure or malfunctioning during operation, it must be removed from the hazardous area immediately and returned to the manufacturer for testing and repair.

Authorised usage

The HM930EX may only be used on the TP9000EX Thor 1 radio.

Warranty limitation

IMPORTANT - The HM930EX hand microphone is a sealed waterproof unit.

To maintain the waterproof integrity, they were assembled in a controlled environment.

The PTT unit are not user maintainable units, and under no circumstances should the units be opened except by authorized personnel.

Unauthorized opening of the units will invalidate the warranty.

Normal warranty is 12 months.

Servicing the radio

Only authorised TP Radio personnel may open the equipment for servicing. If non-authorised persons open the radio, the equipment may no longer comply with the ATEX directive, the guarantee will be rendered void, and the PTT may no longer be waterproof.

Disclaimer

Any responsibility or liability for loss or damage in connection with the use of this product and the accompanying documentation is disclaimed by TP Radio.

The information in this manual is provided for information purposes only, is subject to change without notice and may contain errors or inaccuracies.

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Precautions

Avoid water and salt in the I/O connector and keep it clean frequently.

Make sure they are clean and dry before attaching the transceiver.

Be careful not to damage any gaskets.

With correct use they are safe but any misuse might cause dangerous situations.

Do not submerge the HM930EX more than 1 m for 30 minutes.

HM930EX Speaker-microphone



Technical specifications

Item	Specification
GENERAL DATA	
Operating Temperature	-20 °C to +55 °C
Microphone	Electret
Speaker Impedance	8 Ohm @ 1KHz
TP external equipemnt connector	16 pin jack/radio-specific connector
Water ingress protection	IP67
Materiale	Conductive PC (EX approved materiale)
Cable	4mm dia
Size	H = 110, B = 64, D = 31mm
Weight	150 g.

Intrinsically safe specifications:

HM930EX:

U_i :	4,2V
I_i :	595mA
P_i :	2,5W
L_i :	41 μ H
C_i :	220pF

Special condition for safe use:

The HM930EXx may be replaced in hazardous area.

Simplified EU Declaration of Conformity

Hereby,

TP Radio, Agenavej 35-37, 2670 Greve, Denmark

declares that the radio equipment with accessories

Type: TP9000Ex Thor 1

Model: RE930/2Ex & RE930/7Ex

Is in compliance with Directive 2014/53/EU

The full text of the EU declaration of conformity is available at the following internet address:

<https://drive.google.com/drive/folders/1QvamFi8o-3t5iNHxH5ftMSnfCWMKFcAc>