1023533511

# EMMAX-1H

## Handheld Industrial EX Microphone For Exigo/Turbine



- Handheld microphone for Ex applications
- PTT key
- Noise cancelling microphone
- High quality digital background noise reduction
- IP66 Rating
- Low smoke and halogen free cable
- Designed for Exigo Ex access panels Turbine Ex explosion-proof intercom stations

ICX ICX-AlphaCom Exigo

## Description

The EMMAX-1H is a handheld microphone developed specifically for the Ex range of Vingtor-Stentofon Turbine and Vingtor-Stentofon Exigo devices. The small form factor and excellent ergonomics complement the outstanding audio quality. The bracket (included with microphone) allows the microphone to be mounted on the side of the device's wall box, or on an adjacent surface.

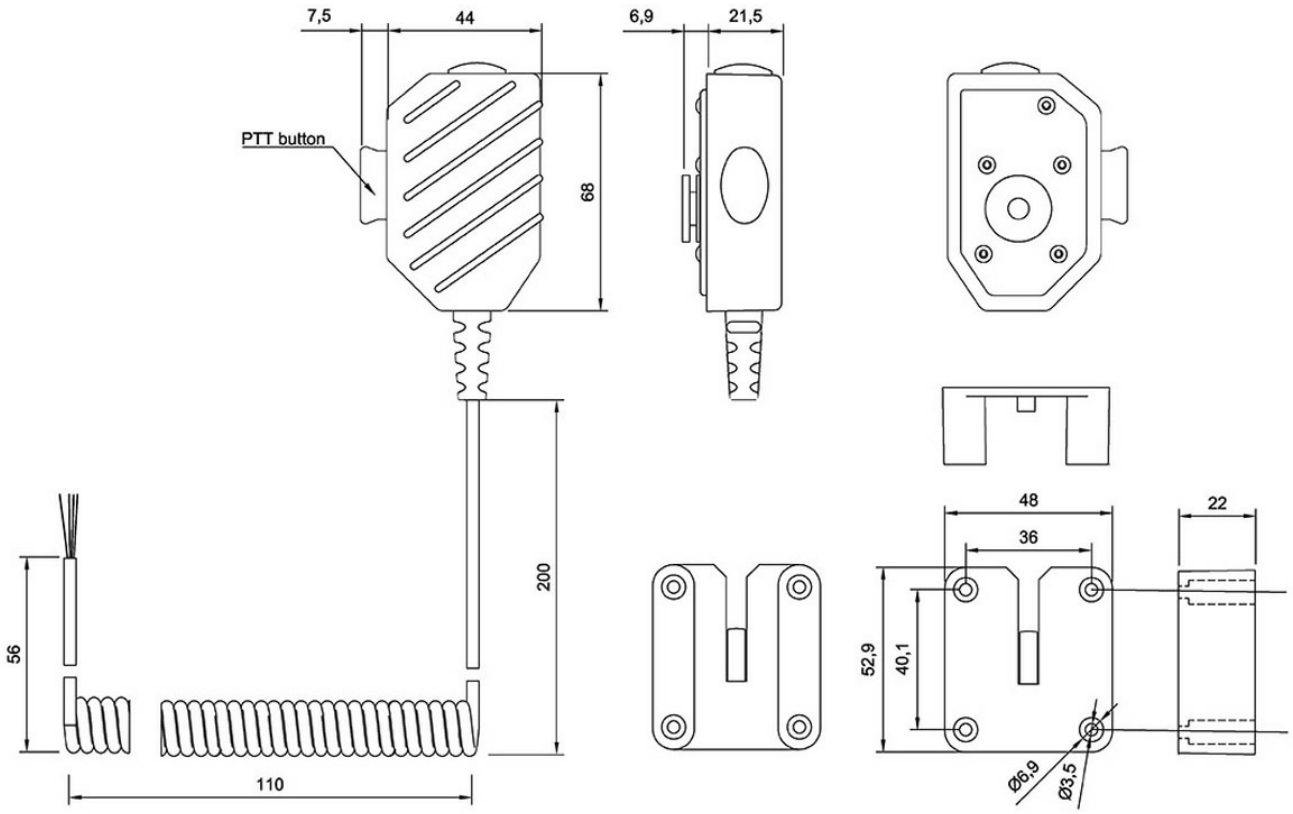
## Technical Dimensions



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# Specifications

| MECHANICAL | |
|---|---|
| Dimensions (WxHxD) | 44 x 68 x 21,5 mm |
| Weight | 0,220 kg |
| Cable length | 0,75 m (contracted) / 2 m (extended) |
| Bracket | Included |
| Surface | High friction, Rubberized |

| ELECTRICAL | |
|---|---|
| Microphone sensitivity | -43 dB ± 3 dB at 1kHz ( 0 dB = 1 V/Pa ) VDD=2 V RL=15 kΩ) |
| Directional Characteristic | Non-directional |
| Impedance | 1.1 kΩ ± 30% at 1kHz ( RL=15 kΩ ) |
| Phase | -179 deg ± 15 deg at 30Hz |
| S/N Ratio | 68 dB typ. at 1kHz ( 1Pa, A weighted network ) |
| Operating Voltage | 2 V (1 V ~5 V ) |
| Current Consumption | 110 µA Max. ( VDD=2 V RL=15 kΩ ) |
| Max Input Sound Pressure Level | 128 dB S.P.L. typ. ( 1 kHz, THD = 3 % ) |
| Operating Temperature | -40° C - + 95° C |
| Storage Temperature | -40° C - + 105° C |

| ENVIRONMENTAL | |
|---|---|
| IP Rating | IP66 |

| COMPATIBLE EQUIPMENT | |
|---|---|
| Exigo | Access panels (EAPFX-1 & EAPFX-6) |
| Turbine | Ex intercom stations (TFIX-1 & TFIX-2) |



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| CERTIFICATIONS | |
|---|---|
| CENELEC safety standards | EN 60079-0: 2012, EN 60079-11: 2012 |
| IEC safety standards | IEC 60079-0: 2011, IEC 60079-11: 2011 |
| Marking | II 2G Ex ib IIC T4 Gb, -20°C ≤ Ta ≤ +55°C |
| ATEX certificate | Presafe 14 ATEX 5209X |
| IECEx certificate | IECEx DNV 21.0097X |

## Used With



TFIX-2-V2

Ex IP Intercom Station with 6 buttons

Item Number: 1008123120



TFIX-1-V2

Ex IP Intercom Station- full keypad

Item Number: 1008123110



TFIX-3-V2

Ex IP Intercom Station with 3 buttons

Item Number: 1008123130





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