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# TAS2000 VoIP-Ex 11K - 6L - MX2

Explosion-proof  
VoIP Intercom Station  
ATEX certified Zone 1

Based on more than 10 years of strong experience in designing and manufacturing weather-proof VoIP Telephone and Intercom Stations, FITRE SpA is offering a new range of advanced EXPLOSION-PROOF VoIP Telephone and Intercom Stations, ATEX certified for Zone 1, either with handset either hands-free, fully suitable for the Oil & Gas world.

The **TAS2000 VoIP-Ex 11K-6L-MX2** is a digital Intercom Station managed by **ASTRO System Manager**, a **FITRE** powerful digital central unit expressly designed for handling **Intercom**, **Page & Talk** and **PAGA** functions.

In addition to stations with **VOICE** functions only, in the **FITRE** range there are also stations equipped with integrated built-in **ALARM** keys.

The **TAS2000 VoIP-Ex 11K-6L-MX2** owns very important features allowing its use even in the hardest and noisiest environments:

- very sturdy light alloy casting "copper-free" to ensure high protection against corrosive agents also in oil and chemical plants.
- IP66 protection degree.
- metal vandal-proof push-button keys.
- strong weather-proof handset, with vandal-proof cord protected by stainless steel flexible tube.
- exclusive HW & SW ambient noise digital cancellation, suitable to allow a perfect voice communication between the users of this equipment.
- opto-coupled ON/OFF output for activating external signalling devices, like acoustical ringers and/or visual beacons.
- integrated loudspeaker volume control, easily carried out by **Vol+** and **Vol-** push-button keys.
- integrated analog audio output suitable for driving external amplified loudspeakers (e.g. FITRE - XP13/24-48V) in order of adding power to the intercom function.

The **TAS2000 VoIP-Ex 11K-6L-MX2** is equipped by:

### VOICE section

- 1 **General Page** push-button.
- 5 push-buttons (**1...5**) for choosing the **conversation line**.
- 5 **LED** showing the operational condition of the 5 conversation lines.
- 2 push-buttons **Vol+** and **Vol-** for volume control.

### ALARM section

- 1 **Alarm activation** push-button.
- 1 **LED** showing the **Alarm ON**.
- 1 **Alarm test** push-button.
- 1 **Alarm cancellation** push-button.

## TECHNICAL FEATURES

Required supply .....	24 to 48 VDC - 2,2 W
Auxiliary Audio output .....	0 dB (0,707 Vrms)
Auxiliary Opto output .....	24 to 48 VDC - 10 mA
Ring signal volume .....	90dB @ 1m
Ethernet connection .....	1x10 Mb (IEEE 802.3af Power Over Ethernet)
Environment Relative Humidity .....	20 to 98% non-condensing
Degree Protection (IEC60529) .....	IP66
ATEX Marking .....	II 2G Ex e mb ib IIC T6, T5 Gb II 2D Ex tb IIIC T85°C, T100°C Db IP66
Temperature class .....	T6 with Tamb. -40°C / +40°C T5 with Tamb. -40°C / +55°C
EC-type Examination Certificate .....	IMQ12 ATEX 017
Certificate of Conformity .....	IECEx IMQ 13.0010X
Case .....	Weatherproof "copper-free" aluminium alloy
Colour .....	Yellow RAL1021/Black RAL9005
Dimensions (HxLxD) .....	300 x 230 x 140 mm
Weight .....	6 kg

