

TAS2000 VoIP-Ex 22K - 2L - TEL

**Explosion-proof VoIP
Telephone Set / 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 22K-2L-TEL** is a set combining together:

- a digital Telephone Set, based on standard Ethernet networks, using the SIP protocol for direct communication with other SIP terminals or SIP PBXs.
- a digital Intercom Station, managed by **ASTRO System Manager**, a **FITRE** powerful digital central unit expressly designed for handling **Intercom** and **PAGA** functions.


The **TAS2000 VoIP-Ex 22K-2L-TEL** 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.

Moreover the **TAS2000 VoIP-Ex 22K-2L-TEL** is equipped, in addition to the standard telephone features (as call transfer, last number redial, ect.), also by:

- 2 LED showing the station operational condition.
- 4 memory keys (**M1...M4**) allowing direct calls to 4 desired stations or telephone numbers.
- 2 push-buttons **Vol+** and **Vol-** for volume control.

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

