



- TDM 15 digital equipment is made up of the reporter unit TDM 15P and the base TDM 15B.
- It is a digital broadcast quality full-duplex communication system, working just in one frequency for transmission and reception, which allows to use only one antenna.
- With 1W output power, it is specially designed to work in aggressive RF environments.
- Compact and light equipment, very easy to operate both in the portable and base unit.
- Exceptional sturdiness and absolute reliability.
- Reporter unit is powered by a long life Ion/lithium battery, which reaches till 6 hours of continuous working. It has RF level, error correction and battery status indications. It has also micro / line selector.
- Base can be powered both DC 12 V and AC 220 V (external power supply is included). It has level adjustable headset output, RF level and error correction indications and micro / line selector.

TECHNICAL SPECIFICATIONS:

Radio

Frequency:	175 MHz / 800 MHz / 900 MHz as assigned in each country
Number of channels:	10 (other under demand)
Media access:	Simultaneous TDM Full Duplex Tx & Rx
Modulation:	FDMMW2
Error correction:	REED – SOLOMON FEC
Synthesizer resolution:	4,7 Hz
Spurious emissions:	Complying with the ETSI specifications ETS 300 454
Data Rate (uplink + downlink):	250 kbps
Adjacent channel reject:	>60 dB
Locking:	>75 dB with 1 MHz
Nominal deviation:	±32,5 KHz
Peak deviation:	±65 KHz
Output power:	1W
Output/Input impedance:	50 Ω
Rx sensitivity:	Better than -100 dBm for packet error rate <5*10A
COMPLYING ETSI, FCC and ARIB	assigned in each country

Audio

Audio output/input:	600 Ω
Audio bandwidth:	7,5 KHz / 15 KHz
Distortion:	<0,3%
Coding:	WAV 64 kbps
Sampling frequency:	16 KHz / 32 KHz
SNR:	>85 dB
Audio output level:	+10 dBm max.
Portable Tx Audio:	Broadcast quality wide band
Base Tx Audio:	Broadcast quality wide band

TDM-15P (Portable)

10 Selectable channel	
Micro/Line selector	
Headset jack connector	
XLR3 Micro/Line balanced input	
Antenna connector:	TNC
Battery status indicator:	Orange led 20%, red led 10%
RF level and error correction indications	
High capacity Lithium battery:	11,2V / 7,8 Ah
Temperature range:	-45° C to +80°C
Measurements:	210 x 128 x 58 mm
Weight:	1,5 kg (battery included)

IT IS SUPPLIED WITH BANDOIER, ANTENNA AND BATTERY CHARGER

TDM-15B (Base)

10 Selectable channel	
Line output XLR3	
XLR3 Micro/Line balanced input	
Jack connector with adjustable level headset output	
Micro/Line selector	
Antenna connector:	TNC
RF Level and error correction indications	
Power supply:	DC 12V / AC 220V (external power supply)
Temperature range:	-45° C to +80°C
Measurements:	228 x 128 x 40 mm
Weight:	0,6 kg

IT IS SUPPLIED WITH EXTERNAL POWER SUPPLY AND ANTENNA

Specifications subject changes without notice.