



- TDM 17 digital equipment is made up of the reporter unit TDM 17P and the base TDM 17B.
- 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 3W 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 5 hours of continuous working. It has a display with buttons with RF level, FEC and battery % remaining indications. It has also micro / line selector and battery status led indicator.
- Base can be powered both DC 12 V and AC 220 V (external power supply is included). It has a display with buttons with RF level, FEC and battery % remaining indications. It has also micro / line selector and battery status led indicator.

TECHNICAL SPECIFICATIONS:

Radio

Frequency:	From 175 MHz to 900 MHz (window of 7%) under demand
Number of channels:	16
Media Access:	Simultaneous TDM FULL-DUPLEX Tx & Rx
Modulation:	FDMW2
Error Correction:	REED – SOLOMON FEC
Synthesizer resolution:	4,7 Hz
Spurious emissions:	Complying with the ETSI specifications ETS 300 454
Data Rate (uplink & downlink):	110 kbps
Adjacent Channel Reject:	>60 dB
Locking:	>75 dB with 1 MHz
Nominal deviation:	±65 KHz
Peak deviation:	±57,750 KHz
Output power:	3W
Output/Input impedance:	50 Ω
Rx sensitivity:	Better than -100 dBm for packet error rate <5*10A
Complying:	ETSI, FCC and ARIB

TDM 17(Portable):

16 Selectable Channel Micro/Line selector	
Double ¼" Jack connector / Minijack headset	
XLR3 Micro/line balanced input	
Antenna connector:	TNC
Battery status indicator:	On Display and LED (green OK, orange 20%, red 10%)
RF level and error correction:	Indications on display
High capacity lithium battery:	7,4V / 5,8 Ah
Temperature range:	-45°C to +80°C
Measurements:	214 x 112 x 46 mm
Weight:	1,3 kg (battery included)

IT IS SUPPLIED WITH BANDOIER, ANTENNA AND BATTERY CHARGER

Audio

Audio Output/Input:	600 Ω
Audio bandwidth:	11 KHz / 18 KHz
Distortion:	< 0,3%
Coding:	WOC 24 kbps
Sampling Frequency:	48 KHz
SNR:	>85 dB
Audio Output Level:	+10 dBm max.
Portable Tx Audio:	Broadcast quality wide band

TDM 17(Base):

10 Selectable Channel	
Line Output:	XLR3
Jack connector with adjustable level headset output	
XLR3 Micro/line balanced input	
Antenna connector:	TNC
RF level and error correction:	Indications on display
Portable unit battery status indicator:	On display and LED (green OK, orange 20%, red 10%)
Power supply:	DC 12V / AC 220V (external power supply)
Temperature range:	-45°C to +80°C
Measurements:	220 x 130 x 59 mm
Weight:	1,3 kg

IT IS SUPPLIED WITH EXTERNAL POWER SUPPLY AND ANTENNA

Specifications subject changes without notice.