Designed for pristine audio quality and unsurpassed reliability, thousands of BW Broadcast’s FM transmitters are operating trouble-free in some of the world’s most remote installations. With comprehensive features and creative design, the TX25 is exceptional value for those on a budget but don’t want to compromise on performance.

Integrated single box solutions incorporating the exciter, RF amplifier, power supply, stereo encoder and audio limiter. The TX25 band 1 model has been specifically modified for band 1 transmission systems.

### FEATURES
- Compact lightweight unit
- Universal mains input
- Mosfet power design
- Harmonic filter
- Dual speed PLL
- Digital stereo encoder
- Built in limiter/compressor
- LCD graphics display
- Fan cooled
- Alarms and fault monitoring
- Dual system RS232 control
- Loop through / External MPX Switchable settings
- RF power control
- VSWR and overheat protection
- FCC certified / RTTE-CE compliant
- FSK ID Keyer option (for translator usage)

### SPECIFICATION

**Audio Input Levels**
- -10dB to +18dB for limiting

**Audio Input Connectors**
- XLR Balanced (RF shielded)

**Audio Distortion**
- better than 0.1% at limiting 1 kHz (clarity mode)

**Frequency Response**
- 20Hz to 20kHz /+ .0.5dB (0 us Pre-emphasis)

**Limiter Control Range**
- >22dB (0 us Pre-emphasis)

**Input Impedance**
- 10k Ohm

**Pre-Emphasis**
- 0.50 and 75 us ( jumper selectable)

**Audio Process Modes**
- Clarity and Loud ( jumper selectable)

**Clipping**
- On or Off ( jumper selectable)

**Subcarrier Generation**
- Microprocessor Generated (oversampled)

**Pilot**
- 19kHz /+ 1 Hz (adjustable)

**Pilot Generation**
- Microprocessor Generated (oversampled)

**MPX Output**
- BNC

**Output Level**
- 0dB

**15 kHz Filtering**
- >40dB at 19kHz

**15kHz OS Filter Clipping**
- On or Off

**Spurious Signals**
- >80 kHz >60dBr, >160 kHz >80dBr

**Stereo Separation**
- >60dB (20kHz-1kHz)

**Frequency Range**
- 44 - 65 MHz (Band 1)

**Freq'cy Selection Internal switches**
- Front Panel or RS232 control menu

**Frequency Stability**
- +/- 200 Hz (fine adjustment available)

**Frequency Control Type**
- Dual Speed Phase Locked Loop (PLL)

**RF Connector**
- BNC

**Harmonics**
- better than 75 dBC

**Spurious**
- better than 85 dBC VSWR Fold Back above 2.1

**MPX Input**
- BNC Connector

**MPX Input Response**
- +/- 0.3dB 3 Hz to 100 kHz

**MPX Input Level**
- -10dB to +10dB (adjustable)

**Modulation**
- Direct Frequency Modulation

**Synchronous AM Noise**
- 0.31% (at normal deviation)

**Asynchronous AM Noise**
- 0.18% (at centre frequency of 97.7MHz)

**Control System**
- 3 -Burtons 128x32 Graphics Display External Control

**Monitor**
- 9W RS232 D type

**9W alarms D type**
- D type

**Voltage Input**
- 85-260 VAC (50-60Hz)

**Power Connector**
- IEC,FUSED and Switchable

**SMP’s Approvals**
- UL/TUV/CE

**Size**
- 480mm x 44mm x 305mm

**Weight**
- 3370g

**Cooling**
- dual 40mm long life fans

**Power Output**
- 2W -25W adjustable

**Power Consumption**
- 45W max

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