

Agile Mini Demodulator, PAL Format

Agile Mini Demodulator for PAL-I & PAL-BG Systems

Features

- 47-862 MHz Bandwidth
- Baseband Audio/Video Output
- Compatible with Most Mini-Mod Chassis
- PLL Design for Stability
- Microprocessor Controlled Synthesized Tuning
- Front Panel Controls with Lock Function to Prevent Accidental Changes
- Both Off Air Broadcast Channels and Cable Channels
- 3 Digit LCD Digital Channel Display



The Toner TAMD is a professional video demodulator designed to fit most of the industries popular 2RU chassis that hold up to 12 modules such as modulators, demodulators, and agile modulators. Some of the chassis that are compatible are: Blonder Tongue MIRC, Drake RMM12, and Pico MPC-12, all available from Toner.

The TAMD is a high quality frequency agile audio video demodulator for PAL television systems. The unit allows front panel channel selection of standard off air broadcast and cable television channels up to 862 MHz by use of push button synthesized tuning.

The phase lock loop (PLL) synthesized frequency control provides rock solid frequency stability.

The demodulator is designed to accept any standard PAL-I or PAL-BG RF input and provide a video and audio output at 1.0 Vp-p level. All controls are located on the front panel for ease of operation. The modulator has a 3 digit LCD channel display with a lock - unlock function to prevent unintentional channel changes.

The Cable Television / Off-Air Band is selected with a front panel Cable / Antenna switch, which can only be used when the unit is unlocked.

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Specifications

RF

Frequency Range	.47-862 MHz
Cable Channels	.1-100
Broadcast Channels	.2-99
Input Level	.60 to 75 dBuV
Impedance	.75 Ω
Noise Figure	.10 dB
Image Rejection	
VHF	.60 dB
UHF	.50 dB

VIDEO

Output Level (adjustable)	.1V p-p
Output Impedance	.75 Ω
Differential Gain	.3% typical
Differential Phase	.3° typical
Video S/N	.60 dB typical 56 dB minimum

AUDIO

Output Level	.1 Vp-p
Output Impedance	.600 Ω

GENERAL

Operating Temperature	.0 to 50° C
DC Power 12 V	.270 mA
Weight	368 G (13 oz)
Size	.26W x 88H x 195L mm (1.0 x 3.5 x 7.6 inches)

MODELS

TAMD-I	PAL I Video Format Agile Demodulator
TAMD-BG	PAL BG Video Format Agile Demodulator