

DM-100

Utility Demodulator

The DM-100 has all the features demanded for basic demodulator applications. The DM-100 accepts either Antenna or Cable TV RF inputs, and outputs both video and balanced BTSC stereo audio. The compact size of this unique product allows up to three DM-100 demodulators to be mounted side by side in only one rack unit of space perfect where rackspace is a premium.

The DM-100 has a clear and positive front panel indication of unit operation and channel selected. A back panel switch allows for locking the DM-100 to all selected functions, including channel tuning, video and audio level, and stereo balance. Other functions include selection of channel fine tuning offsets and forced HRC tuning.

FEATURES

- Compact size - three demodulators in 1RU
- Easy system power - 12 VDC operation, AC adaptor included Multi unit and – 48 VDC power units available
- Front panel lock - set and forget
- BTSC Stereo decoder
- Clear front panel indication of channel selection - confirm operation at a glance
- Standards available: NTSC, PAL-M and NTSC-J

SPECIFICATIONS

Specifications and designs are subject to change without notice.

TUNER

Tuning Range	55.25 to 801.25 MHz
Connector	"F" 75 ohms , female
Input Range	-15 to +15 dBmV
Maximum RF Input Level	+30 dBmV
Channel Coverage	VHF Channels 2-13 UHF Channels 14-69 Cable Channels 2-99
Band Coverage	Low, Mid, High, Super, UHF
Detector	Synchronous

VIDEO

Video Output	NTSC video output, sync negative 75 ohms source terminated
Connector	BNC 75 ohms, female
Level	1V p-p, nominal into 75 ohms load
Adjustment Range	±1.5 dB

AUDIO

Audio Line Outputs	Balanced stereo (left and right)
Connector	2-piece terminal strip
Level	0 dBm, nominal
Adjustment Range	-16 dBm to +4 dBm
Audio Monitoring	Miniature stereo headphone jack, front panel, 32 ohms

POWER

Input	12 VDC 120 VAC adapter included
Consumption	15 VA
Connection	Locking, center positive

ENVIRONMENTAL

Operating Temperature	0° to 50°C
Storage Temperature	-40° to 75°C
Humidity	90% maximum

MECHANICAL

Dimensions	Height:1.74" (4.4 cm) Width:5.25" (13.3 cm) Depth:9.9" (25.2 cm)
Weight:	2.4 lb (1.1 kg) including AC adapter

STANDARD ACCESSORIES

Operation & Service Manual
90-264 VAC 50/60 Hz adapter

ORDERING INFORMATION

DM-100X	DM-100 without external power supply. Requires 12 VDC input or PS-120 or PS-48
PS-120	(not shown) Multiple Unit power supply. Will power up to 5 DM-100 units. Includes five power cables. 94-264 VAC 50/60 Hz input. 1/3 RU; can be mounted in DAT-1 rackmount frame
PS-48	(not shown) -48 VDC power supply. Will power up to 5 DM-100 units. Includes five power cables.

	1/3 RU; can be mounted in DAT-1 rackmount frame
DAT -1	Rackmount frame. Accommodates any 3 Videotek self-contained modular units, including video and audio distribution and switching
DM-100J	Changes the tuning frequency and channels plans for Standard M, Japan

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