



FMC 1000 STEREO MODULATOR



The Drake FMC1000 FM Stereo Modulator is a high-quality audio modulator designed for use in private and franchised cable systems, and permits retransmission of audio broadcasts over cable.

- Low-cost stereo modulator
- Frequency coverage from 88 through 108 MHz
- Large front panel display of selected frequency
 - Front panel monitor jack for headphones
 - Front panel control of audio modulation levels
 - Over-modulation LED indicator
 - 50 dBmV output
- High quality, commercial grade construction for superb reliability and performance
 - Made with pride in the U.S.A.

FMC1000 FM Stereo Modulator Technical Specifications

Specs	
Frequency Coverage:	88.1-107.9 MHz
Frequency Selection:	Selectable by front panel up/down buttons and LCD frequency readout.
Frequency Generation:	PLL synthesis
Frequency Stability:	+10 ppm, over the temperature range 0° to 50° C
Tuning Step Size:	100 kHz
Modulation:	FM, 200kF3E, multiplex stereo
FM Deviation:	±75 kHz, maximum
Pre-emphasis:	75 microseconds
Input Impedance:	75 ohms
Output Level:	+50 dBmV nominal, (adjustable +40 to +50 dBmV with rear panel accessible level control)
Output Impedance:	75 ohms
Stereo Audio Inputs:	2 XLR (left and right audio)

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	2 RCA phono (left and right audio)
Monaural Audio Inputs:	use left XLR or left RCA phono input
Frequency Response:	20 Hz to 15 kHz, +3 dB referenced to a standard 75 microsecond pre-emphasis curve
Total Harmonic Distortion:	Less than 0.25%, typical
Front Panel:	LCD display of frequency and Mode, tune, Up/Down buttons, input level control with over-modulations indicators, monitor output with monitor level control
Rear Panel:	2XLR connectors (left and right balanced audio input) with Ground Lift switch, 2 RCA phone connectors (left and right unbalanced audio input). Use left audio inputs for monaural audio input. DC power input with on/off switch, and external antenna connector.
General	
Power Requirements:	12 VDC @ 250 mA, regulated by supplied AC power adapter.
Operating Temperature:	0° to +50° C. (+32° to +122° F.), ambient
Dimensions:	(W x H x D) Standard: 19" x 1.75" x 6.25" Metric: 483 mm x 45 mm x 222 mm
Weight:	Standard: 6.0 lbs. Metric: 2.67 kg

Specifications, price, and availability are subject to change without notice or obligation.
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