



WCM-300S MODULATOR (NTSC, PAL-B & PAL-D AVAILABLE)

FEATURES

- Front Panel Control, Easy to Operate
- 55dBmV High Output Level, Low Spurious
- Spurious Harmonics 60dB down
- Low Out-of Band Noise for Multiple Modulator Installation
- Adjacent Channel Capability
- Video Modulation and Audio Deviation Level Adjustable
- Sound Carrier Level Adjustable
- High VSB Attenuation
- Meets F.C.C. Offset and Accuracy Requirement
- Built-in Power Supply for Easy Installation
- 19" EIA Rack Mountable

SPECIFICATIONS

RF

Output Frequency Range	NTSC: CH 2~13, A~W PAL-B: CH E2~E12, S1~S20 PAL-D: CH DS1~DS12, Z1~Z17
Output Level	55dBmV ± 3
Output Level Adj.	≥ 14dB
Spurious Harmonics	≥ 60dB below video Carrier
Output Impedance	75Ω
Frequency Accuracy/ Stability	± 5KHz
V/A Carrier Power Ratio	10~18dB Adjustable
RF Output Return Loss	22dB
Test Point	-20dB

VIDEO

Input Level	0.5Vp-p for 87.5% Mod.
Input Type	Composite Video Negative Sync.
Video Frequency Response	± 1.5dB
Modulation Range	0~95% Adjustable
Input Impedance	75Ω
Differential Gain	3%
Differential Phase	0.7°
Video S/N Ratio	60dB

AUDIO

Input Level	400mVp-p for ± 25KHz Dev.
Audio Frequency	NTSC: 4.5MHz ± 0.5KHz above Video PAL-B: 5.5MHz ± 0.5KHz above Video PAL-D: 6.5MHz ± 0.5KHz above Video
Audio Harmonic Distortion	0.8%
Input Impedance	500Ω Unbalance
Pre-emphasis	NTSC: 75μs PAL-B: 50μs PAL-D: 50μs
Audio Frequency Response	± 0.8dB
Audio S/N Ratio	57dB

GENERAL

Power Requirement	NTSC: 117V AC/60Hz/7W PAL-B: 220V AC/50Hz/7W PAL-D: 220V AC/50Hz/7W
Auxiliary AC Outlet	NTSC: 117V AC/600W PAL-B: 220V AC/600W PAL-D: 220V AC/600W
Temperature Range	0~50°C
Connectors	RF Out, Video In, and Audio In (All F-Type on rear Panel)
Dimensions	19"(L) x 2-1/4"(W) x 1-3/4"(H)
Weight	4Lbs
Packing	1 set/Inner Box 12 Sets/Cartron/24.5Kgs/2.3cuft

FRONT PANEL OPERATION

- ① Power Indicator
- ② Video Modulation Adjustment
- ③ Audio Carrier Level Adjustment
- ④ Audio Deviation Adjustment
- ⑤ RF Output Level Adjustment
- ⑥ Channel Label
- ⑦ Output Test Point -20dB