

8-VSB (ATSC) Modulator

with ASI input, RF output



DVM-1903ML

Professional Modulator

The DVM-1903ML VHF/UHF 8-VSB (ATSC) Digital Modulator offers a combination of features and reliability. It complies with ATSC A53 standard for 8-VSB (ATSC) modulation for terrestrial HDTV broadcasting and is applicable for HDTV and SDTV broadcasting.

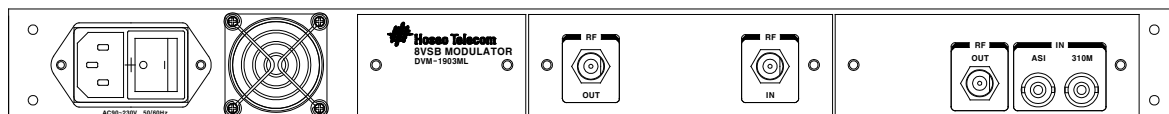
The DVM-1903ML can be used as a DTV broadcast modulator, tester, or a head end of an RF distribution network. It can accept input through its DVB-ASI and SMPTE-310M (optional) input ports.

The modulator includes internal high quality up-converter with variable output between 54 and 870 MHz covering full VHF and UHF band.

The DVM-1903ML is very easy to control with front panel. It provides outstanding and reliable output at a reasonable price for customers.

Features:

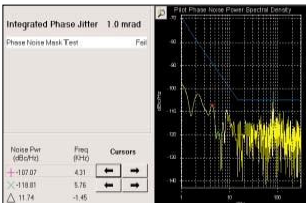

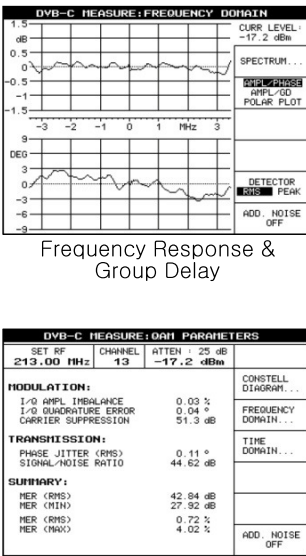
- ATSC A.53 8-VSB Compliant
- DVB-ASI Input
- SMPTE-310M Input (optional)
- Bandwidth: 6Mhz
- Output Level: 55 +/- 5 dBmV
- Level Control Range: 0 ~ -15 dB
- Adjustable output frequency: 54-870 MHz
- PCR Re-stamping
- Front panel control



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Specifications

ITEM	DVM-1903ML	DATA VIEW	
Digital Input	Transport Stream	DVB-ASI	 <p>Phase Noise</p>
	Connector	BNC (75Ω)	
	Coding	ITU-T(J.83) Annex D	
	Bit Rate	19.393 Mbps	
	Packet Format	188 Byte	
	Symbol Rate	10.762 Msymbol/s	
	Modulation	8-VSB	
RF Output	Frequency Range	54~870 MHz	 <p>Signal/Noise & EVM</p>
	Impedance	75 Ω	
	Output Level	55 ± 5 dBmV	
	Level Control Range	0 ~ -15 dB	
	Bandwidth	6 MHz	
	MER After Equalizer	42 dB	
	MER Before Equalizer	37 dB	
	Phase Noise	VHF -105 dB@20KHz UHF -103 dB@20KHz	
	Adjacent Channel Carrier Attenuation Characteristic	≥ 45 dB (Out-of-band)	
	Spurious	≤ -63 dB	
	Return Loss	≥ 15 dB	
	Group Delay	± 20 ns	
	Frequency Response	± 0.5 dB	
	Frequency Tolerance	± 2 ppm	
PCR Jitter	≤ ± 200 ns		
General	Power Requirements	AC 90~230V, 50/60Hz	 <p>Frequency Response & Group Delay</p> <p>Signal to Noise Ratio</p>
	Power Consumption	13W	
	Weight	2.6Kg	
	Dimensions	482 x 44 x 383 mm	

ORDERING INFO

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