WTM-860S : QPSK to QAM, 1 Transmodulator (QPSK > QAM, PLL E.2-U.69)

FEATURES

- Digital satellite QPSK signal input and a digital QAM signal output in 16/32/64/128 or 256 QAM mode
- Front panel LCD for monitoring, data display and setup.
- High MER (Modulation Error Rate) ensures a low bit error rate.
- Switching power supply 90VAC-260VAC, 50Hz/60Hz.
- With overload protection.
- Selectable LNB power 13/18 VDC with 22kHz tone control.
- Standard 19' rack-mount for installation.
- SAW filtered IF out/in loop.
- RF modulation output
- 47-864MHz output frequency agility.
- 60dBmV output level with Hybrid module IC.
- Output level adjustable by a 15dB range.
- Low out-of-band noise and High VSB attenuation.
- Double PLL synthesized channel control.
- Available to control multiple and daisy chain transmodulators with our Monitoring &Control Software.

Technical Specifications

SATELLITE QPSK RF INPUT	
Frequency Range	950 MHz. to 2150 MHz.
Input Level	-65dBm ~ -25dBm
Input Impedance	75 Ohms
Mode	QPSK
FEC	DVB
VITERBI Rate	Auto Scan. (1/2, 2/3, 3/4, 5/6, 6/7, 7/8)
Symbol Rate	2Msps to 45 Msps
Input Impedance	75 Ohms
Connector	F-Type Female

QAM MODULATION	
ITU-T J.83 Annex	A (i.e. DVB)
Modulation Mode	QAM-16 , 32, 64, 128, 256
Symbol Rate	1 ~ 6.95 Msps
Roll OFF	15% Phase Noise @10K -91dBC
MER	37dB Typcial
SNR	40dB Typcial
Carrier Suppresion	53dB Typcial
FEC	DVB

CABLE RF OUTPUT	
Frequency Range	47 MHz to 864 MHz
Bandwidth	6/7/8 MHz
Output Level	> 60 dBmV
Spurious Level	60 dB typical
Out-of-band Noise	60 dB typical
CNR	60 dB typical
Output Impedance	75 Ohms
Connector	F-type Female

LNB POWER	
Voltage	OFF, 13V or 18V ± 10%
Current	500mA max.
Tone Frequency	OFF or 22kHz
Protection	Overload protection

CONTROL INTERFACE	
Electrical Interface	RS-232C
Data Link	57600bmps, No parity, 8-bit data, 1 stop bit
Connector type	DB-9 Male for connection to Host or Previous station DB-9 Female for connection to next statio