

RF SIGNAL GENERATOR RF POWER METER

(Model : RF6/RF6uc) (Model : RFM5M/RFM7G)



SALIENT FEATURES (RF Signal Generator)

- ◆ Wide frequency range : 10-600MHz
- ◆ Internal/external modulation (AM/FM)
- ◆ Fine control over Frequency / Amplitude range
- ◆ Bright 4 1/2 digit LED/16X2 LCD display for freq.
- ◆ Two models- manually operated or micro-controller based.
- ◆ Useful for testing and measurement in RF laboratory

TECHNICAL SPECIFICATIONS

RF Signal Generator	Model: Rf6	Model: RF6uc (Microcontroller based)
Frequency Range	10MHz to 600MHz.	
Output	BNC, driving into 50 Ohm impedance	
Resolution	100KHz	
Accuracy	± 3 % of FS	
Harmonics	< -40dBc upto -3dBm	
Output Level (dBm)	Low: -3dBm to -27dBm dynamic range over 10-600MHz High: +9dBm to -27dBm dynamic range over 10-250MHz	
Controls	Manually operated	Microcontroller based
Frequency & Amplitude	10 turn POT for each	6x3 Keypad
Display	4.1/2 digit 7 segment Red LED	LCD Display
PC Interface	NA	RS232 port/ USB (optional)
Amplitude Modulation		
Internal Source	1KHz ±10% @ Settable_10Vpp max /100KHz (optional)	
Modulation Depth	0 to 35% continuously variable.	
External freq. Response	Flat within ±1dB from 50Hz to 3KHz. (Usable up to 20KHz)	
Frequency Modulation:		
Internal Response	1KHz ±10% @ Settable 10Vpp max. /100KHz (optional)	
DF	Variable upto 300KHz @10Vpp.	
External freq. Response	Flat within ±1dB from 50Hz to 3KHz. (Usable up to 20KHz)	
General		
Operating Temp	0 to 50°C (Accuracy specified at 25°C).	
Power	20V/240V switch settable@ 50Hz/(60Hz optional) +/-10%, 15VA	
Dimension / Weight	295 (W) X 220 (D) X 98 (H) / Approx.1.9 Kg	
Accessories	Power cord, BNC TO BNC cable & operating manual	

RF POWER METER	Model: RFM 5M	Model: RFM 7G
Frequency Range	10MHz to 500MHz	300MHz to 7GHz
Power Range	+15dBm to -60dBm	+10dBm to -20dBm
Max Power	+20dBm	+12dBm
Power Accuracy	+/- 2.5 dB of full scale	+/- 4 dB of full scale
Noise floor	-60dBm	-20dBm
Display	4 1/2 digit 7 segment Red LED. (LCD16X2 optional)	

Specifications subject to change without notice

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