

PMM 3000

RF GENERATOR from 10 kHz to 1 GHz



PMM3000 has been designed to provide the best price/performance generator available today on the EMC market.

To all the features needed to act as stand-alone generator to perform ElectroMagnetic Compatibility tests, programmability through RS-232 or 485 has been added.

PMM3000 control software enables the user to access all the available functions using only 4 keys, while the LCD display offers convenient view of all commands and shows all major parameters at once.

The user can set frequency from 10 kHz up to 1000 MHz with 1 kHz and 10 kHz of resolution, respectively in the lower or upper band.

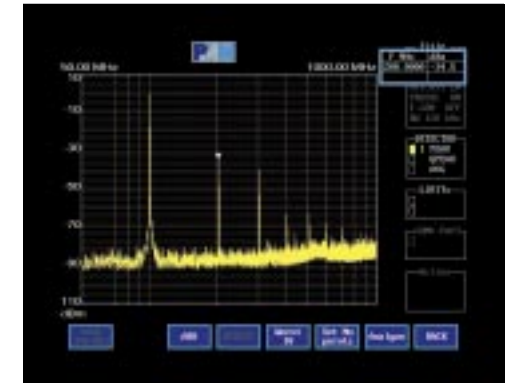
The AM internal modulation (400 Hz or 1 kHz), 1Hz, 200 Hz pulse modulation and external modulation have been implemented in order to cover existing as well future standards. Thanks to its design it is possible to change the output level with about 20 dB of dynamic without using reed relays: that means high speed of operation and accuracy.

FEATURES	BENEFITS
<ul style="list-style-type: none"> • Low cost • Light and compact • Internal AM and pulse modulation • 100 kHz up to 1000 MHz • Function keys • RS232/485 • Programmable • Correction tables downloading • User I/O port 	<ul style="list-style-type: none"> • Low investment • Easy to transport • No need of additional modulating generator • Covers IEC 1000-4-3 and IEC 1000-4-6 • Easy to use • Usable with any standard PC • Suitable for system applications • Performs immunity test without PC • Direct EUT Control

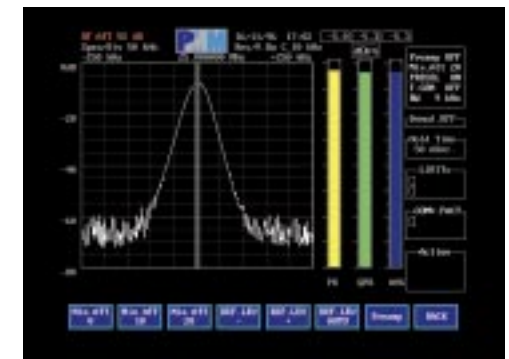
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TECHNICAL SPECIFICATIONS

Frequency	
Range	10 kHz to 1 GHz
Resolution	1 kHz (freq. < 100 MHz) 10 kHz (freq. > 100 MHz)
Accuracy	± 50 ppm
Level	
Range	-80 to +10 dBm
Resolution	0,1 dB
Accuracy	± 1 dB
Level flatness	± 1 dB
Output impedance	50 Ω
Connector	N (female)
Spectral purity	
Harmonic	<-30 dBc for level @ 0 dBm
Non-harmonic	<-50 dBc
AM modulation	
Internal	400 or 1 kHz at 80%
External	100 Hz to 10 kHz max. 90%
Frequency accuracy	±10%
Input impedance	>1 kΩ
Connector	BNC female
Pulse modulation	
Internal	200 Hz
ON/OFF ratio	@ 100 MHz > 70 dB, @ 900 MHz > 40 dB
Frequency accuracy	±10%
Pulse mod. 1 Hz	
Internal	1 Hz
ON/OFF ratio	@ 900 MHz, 0 dBm > 70 dB
Frequency accuracy	±10%
Remote control	
System interface	RS-232/485
Connector	DB9
User port (optional)	RF-Off, Start/Stop test, RF-ON
Display	4 lines LCD
Power supply	
AC	115/230 VAC, 30 VA, 50 - 60 Hz
DC	22 - 26 VDC
Size	257 x 110 x 315 mm (WxHxD)
Weight	4,5 kg.
Accessories included	Power cord, RS-232 cable, N-BNC adapter, operating manual
Optional accessories	SW03 Radiated Immunity Software SW06 Conducted Immunity Software PMM 6485 - RS232 to 485 interface module
Conformity	EMC and Safety directive



Typical Output Spectral Purity
measured with PMM 9000 Receiver



Typical Fundamental Spectral Purity
measured with PMM 9000 Receiver



Scan Downloading



Sales & EMC Center
Via Negrolì 35 • 20133 MILANO • Italy
Tel. +39.02. 70100801 • Fax +39.02. 70100762
E-mail: pmm@pmm.it • Internet: <http://www.pmm.it>



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