

# PMM

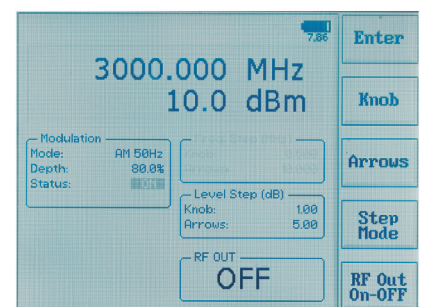
PMM 3010  
PMM 3030



## 9 kHz - 1/3 GHz EMC RF Generators

### Main features

- 9 kHz to 3 GHz (mod. 3030)
- 9 kHz to 1 GHz (mod. 3010)
- -107 to +10 dBm RF output
- Internal AM and pulse modulation
- Battery operation (mod. 3030-02)
- RS232/USB communication
- GPIB with external adapter

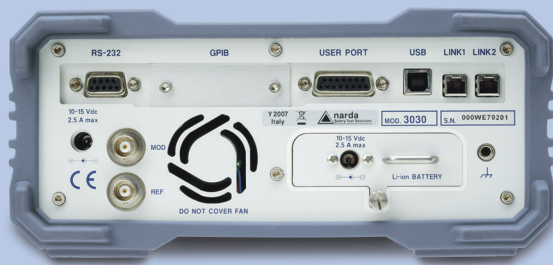


PMM 3030 Display

PMM 3010 and 3030 are powerful wide band signal generators, ideal for all EMC immunity test applications, designed adopting an innovative philosophy and state-of-art components.

The version equipped with plug-in, rechargeable battery pack allows for ground loops-free operation and true portability.

PMM 3010 & 3030 feature a particularly user-friendly interface based on a clear, bright display and function keys conveniently arranged. All settings can be done by the front panel keyboard and rotary knob.



# PMM 3010 & 3030 EMC RF Generator

## Technical Specifications

|   | PMM 3010   | PMM 3030   |
|---|--|--|
| Frequency range                         | 9 kHz - 1 GHz  | 9 kHz - 3 GHz  |
| Frequency resolution                    | 1 kHz  | 1 kHz  |
| Frequency accuracy (internal reference) | ± 10 ppm @ f > 10 MHz  | ± 10 ppm @ f > 10 MHz  |
| Level range                             | -107 to +10 dBm  | -107 to +10 dBm  |
| Level resolution                        | 0,1 dB   | 0,1 dB   |
| Level accuracy                          | ± 1 dB, level > -30 dBm  | ± 1 dB, level > -30 dBm  |
| Output impedance                        | 50 Ω   | 50 Ω   |
| RF output connector                     | Type N female  | Type N female  |
| Spectral purity-harmonic                | <-30 dBc @ 0 dBm, f > 1 MHz  | <-30 dBc @ 0 dBm, f > 1 MHz  |
| AM modulation, internal                 | 2-50-400 Hz, 1 KHz; 10% to 90 %  | 2-50-400 Hz, 1 KHz; 10% to 90 %  |
| AM modulation, external                 | 2 Hz to 10 kHz; 10% to 90 %  | 2 Hz to 10 kHz; 10% to 90 %  |
| Input impedance                         | 600 Ω  | 600 Ω  |
| Input connector                         | BNC female   | BNC female   |
| Internal pulse modulation               | 1 Hz: On/Off ratio @ 0 dBm > 40 dB<br>200 Hz: On/Off ratio @ 0 dBm > 40 dB | 1 Hz: On/Off ratio @ 0 dBm > 40 dB<br>200 Hz: On/Off ratio @ 0 dBm > 40 dB |
| Remote control                          | RS232, USB 2.0 (rear), User Port<br>GPIB (external adapter)                | RS232, USB 2.0 (rear), User Port<br>GPIB (external adapter)                |
| User Port                               | RF On/Off, Start/Stop test   | RF On/Off, Start/Stop test   |
| Display                                 | 340 x 240 pixels, 16 grey levels   | 340 x 240 pixels, 16 grey levels   |
| Display units                           | dBm, dBμV  | dBm, dBμV  |
| Operating temperature                   | +10 °C to +40 °C   | +10 °C to +40 °C   |
| Power supply                            | DC 10 - 15 V, 2,5 A<br>AC/DC adapter 115 - 230 V 50/60 Hz                  | DC 10 - 15 V, 2,5 A<br>AC/DC adapter 115 - 230 V 50/60 Hz                  |
| Plug-in battery pack (model 3030-02)    |  | Li-Ion, rechargeable<br>3 hours average operation time                     |
| Dimensions                              | 235 x 105 x 335 mm (WxHxD)   | 235 x 105 x 335 mm (WxHxD)   |
| Weight                                  | 3,5 kg   | 3,5 kg (mod. 3030-01)<br>4,3 kg (mod. 3030-02)                             |

## Ordering Information

|                   |  |
|-------------------|--|
| 3010              | 1 GHz RF generator, AC & DC power supply                               |
| 3030-01           | 3 GHz RF generator, AC & DC power supply                               |
| 3030-02           | 3 GHz RF generator, AC & DC power supply, plug-in rechargeable battery |
| 9010/GPIB-232CV-A | RS232 to GPIB (IEEE-488) external adapter                              |

**PMM** a brand of



\* Names and Logo are registered trademarks of Narda Safety Test Solutions GmbH and L3 Communications Holdings, Inc. – Trade names are trademarks of the owners.

**Narda Safety Test Solutions srl**  
Via Leonardo da Vinci, 21/23  
20090 Segrate (MI) ITALY  
Phone: +39 02 26 998 71  
Fax: +39 02 26 998 700  
E-Mail: support@narda-sts.it  
www.narda-sts.it