

2/4-Channel RF-Power Meter – PMS 1084

10 kHz to 6 GHz



Description

The PMS 1084 is in the standard version a 2-channel RF-Power Meter for the frequency range from 100 kHz up to 6 GHz or from 10 kHz to 500 MHz (PMS 1084 B). The measuring range reaches from -60 dBm to $+20$ dBm. It is possible to upgrade the PMS 1084 up to max. 4 measuring channels at any time. The measured values can be displayed via a software which is included in the delivery or via the control software

of an automated test system. For the integration of the PMS 1084 into a remote-controlled test system it is equipped with serial and USB interface. Hence the PMS 1084 is very good suitable for the automated measurement of forward and reverse power in immunity test systems acc. to IEC/EN 61000-4-3 / -6. It is available for the installation into 19"-rack or as stand-alone unit.

Technical specifications	PMS 1084	PMS 1084B
Number of channels	2 (standard); up to 4 (option)	
Frequency range 2 x Input-Module LF		10 kHz - 500 MHz
Frequency range 2 x Input-Module HF	100 kHz - 6 GHz	
Measuring range	-60 dBm to $+20$ dBm ($10 \text{ kHz} \leq f \leq 4 \text{ GHz}$) -45 dBm to $+20$ dBm ($4 \text{ GHz} < f \leq 6 \text{ GHz}$)	
Accuracy	± 1 dB (0.5 dB typical)	
Resolution	0.1 dB	
Integration time	0.5 - 200 ms (firmware)	
Max. input level	$+27$ dBm (= 500 mW)	
VSWR	1.15	
RF-Impedance	50Ω	
Interface (PC)	USB, RS232 (9-pol Sub D. female)	
Input	N-type female connector	
Dimensions (D x W x H)	172 x 482.6 x 44.3 mm	
Weight	approx. 2.5 kg	
Power supply	115/230 V	
Accessories included	Power cord, USB cable, application software, user manual	
Options		
PMS-CHA	Expansion of 1 measuring channel (max. up to 4 channels); 100 kHz to 6 GHz	
PMS-CHAB	Expansion of 1 measuring channel (max. up to 4 channels); 10 kHz to 500 MHz	