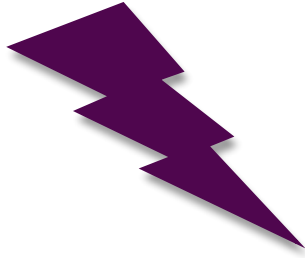


ERIS



EMC & RF Instrumentation Solutions

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Honesty In Instrumentation

Prima EMC Model

PRM61245TA & PRM61245TA-30
PRM61245TB & PRM61245TB-30

IEC61000-4-2 ESD
IEC61000-4-4 EFT/Burst
IEC61000-4-5 Surge



3 Phase unit shown

The Model PRM61245TA and the PRM61245TB Multifunction Generators are designed for testing to the IEC 61000-4-2, IEC 61000-4-4, IEC 61000-4-5 specifications. The instrument is designed for ease of use via the large 7 inch easy to read and navigate color touch screen. Built in test standards allow for immediate testing while user defined routines are just a tap away via the touch screen. The PRM61245TA and PRM61245TB are built for ruggedness and longevity with quality and dependability being first and foremost. Both Contact and Air discharge tips are provided. Changing of the tips is accomplished with a secure screw on type design allowing for an electrically secure connection.

The ESD Gun itself is well balanced and comfortable to hold and maneuver while the cord connection to the main unit is the toughest available and extremely durable.

The RC Network is designed to be easily changed if required for specific user requirements. Both Models are available with 30 kV ESD capability.

Specifications

IEC61000-4-2 ESD

	PRM61245TA & PRM61245TB	PRM61245TA-30 PRM61245TB-30
Output Voltage	0.2 to 20 kV	0.2 to 30 kV
Output Polarity	Positive or Negative	
Discharge Capacitor	150 pF	
Discharge Resistor	330 ohms	
Discharge Current Rise time	0.6 to 1 ns	
Static Holding Time	> 5s	
Discharge Time Setting	1 to 9999 or infinite	
Discharge Method	Contact or Air	
Pulse Intervals	0.05 to 99.99 s, 20 Pulses Per Second	
Discharge Time Settings	1 to 9999 or infinite	
Trigger Modes	1. Automatic 2. Manual 3. Auto voltage Rise	
Ambient Temperature	15° C to 35° C	
Primary Power	110 volts ac to 220 volts ac	
Remote Interface	USB, GPIB	
RC Network	Interchangeable by User (with optional RC Networks)	

IEC61000-4-4 EFT/Burst

	PRM61245TA	PRM61245TB
Coupling Decoupling Network/EUT Power Rating	Internal Single Phase 3 wire, 400 vac, 50/60 Hz, 16 amp maximum	External 3 Phase 5 Wire, 400 vac, 50/60 Hz, 16 amp maximum
Output Voltage	0.2 to 4.8 kV, Positive or Negative, Switchable	
Trigger	Automatic or Manual	
Burst Count	1 to 9999	
Pulse Frequency	1 kHz to 1200 kHz +/- 10%, Adjustable	
Impedance	50 Ω +/- 20%	
Rise Time	5ns +/- 30%	
Impulse Duration	50Ω Load	50ns +/- 30%
	1000Ω Load	35ns to 150 ns
Synchronization	0° to 360° or Asynchronous	
Number of Bursts	1 to 255	
Burst Period	Typical 300ms, Adjustable from 0.15 to 9.99s in 0.01 increments	

Specifications

IEC61000-4-5 Surge

	PRM61245TA	PRM61245TB
Coupling Decoupling Network/EUT Power Rating	Internal Single Phase 3 wire, 400 vac, 50/60 Hz, 16 amp maximum	External 3 Phase 5 Wire, 400 vac, 50/60 Hz, 16 amp maximum
Open Circuit Output Voltage	1.2/50 μ s, .2 to 6kV	
Short Circuit Output Current	80/20 μ s, 0.1 to 3 kA	
Pulse Edge	50us +/- 20% Voltage Waveform 20us +/- 20% Current Waveform	
Pulse Width Time to Half Value	50us +/- 20% Voltage Waveform 20us +/- 20% Current Wave Form	
Surge Polarity	Positive/Negative/ Switched	
Synchronization	0° to 360° or Asynchronous	
Output Impedance	2 Ω , (Common Mode 12 Ω)	
Surge Count	1 to 9999	
Surge Interval	10 to 9999s	
Trigger	Automatic or Manual	

General Specifications

	PRM61245TA	PRM61245TB
Primary Power	110 volts ac to 240 volts ac, 50/60 Hz	110 volts ac to 240 volts ac, 50/60 Hz
Size	465 x 565 x 225 mm	465 x 565 x 525 mm
Remote Interface	USB, GPIB	
Display	7" Touchscreen, Color	