

Impulse Generator SMIMP1.2x50-7kV



Impulse Generator is designed for test requirements with high reliability, intelligent control, user-friendly design and many other features. The object of this product is to produce wave form 1.2/50us as per IEC62368-1, table D.1 circuit 2 and as per previous standard IEC60950-1/ IEC60065 as well.

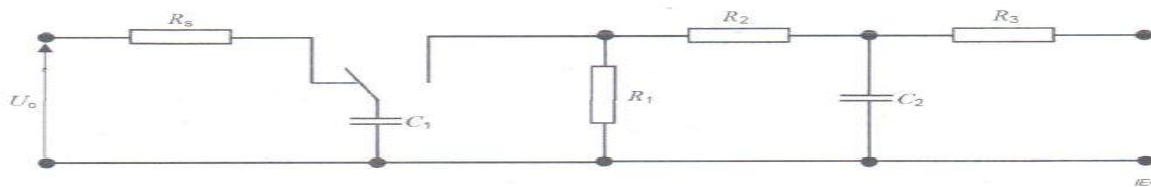


Figure D.1 – 1,2/50 μs and 10/700 μs voltage impulse generator

	Test Impulse	Figure	Rs	C1	C2	R1	R2	R3
Circuit 2	1.2/50μs	D.1	-	1μF	30μF	76Ω	13Ω	25Ω

Advance Features

- Impulse Generator system is fully compliant as per new standards of IEC62368-1, IEC60950 & IEC60065.
- Easy Programmable operation by front panel setting.
- Large 7 Inch Touch Screen LCD with intelligent control panel.
- Emergency Stop button at front panel
- Optional Software for remote control & PC operation
- Impulse test with fully automatic switching without human operation.
- Optionally available NABL/ISO17025 accredited calibration

Technical Specifications	SMIMP1.2X50-7kV
Output Voltage	0.5kV ~ 7 kV (at bulk capacitor)
Voltage Display Accuracy	≤ ± 1%
Open Circuit Rise Time	1.2μs ± 30% (1.67 times between 30% & 90%)
Open Circuit Duration Time	50μs ± 20% (time to half value)
Virtual Impedance	38Ω
Charging Time	≤ 5 sec.
Polarity	Positive / Negative/Alternate
Trigger Mode	AUTO/MANUAL/EXTERNAL SIGNAL TRIGGER
Surge count	1 ~ 9999
Surge interval	5 ~ 9999 s
Display Screen	7 Inches LCD color touch screen
Mains supply	AC 230 V,±10%, 50 Hz /60 Hz
Communication port	USB
Ambient Temperature	0 °C to 50 °C
Relative Humidity	<85% non condensing
Standard Supply	<ul style="list-style-type: none"> - Main Equipment, qty 01 - Mains cord, qty 01 - High Voltage test leads, 1 mtr, 01 pair - Operating Manual, qty 01 - Factory test report, qty 01
Optional accessories	- Software for remote control & PC operation

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