

Impulse Generator SMIMP10x700-7kV

MADE IN
INDIA



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 10/700us as per IEC62368-1, table D.1 circuit 1 and as per previous standard IEC60950-1 as well.

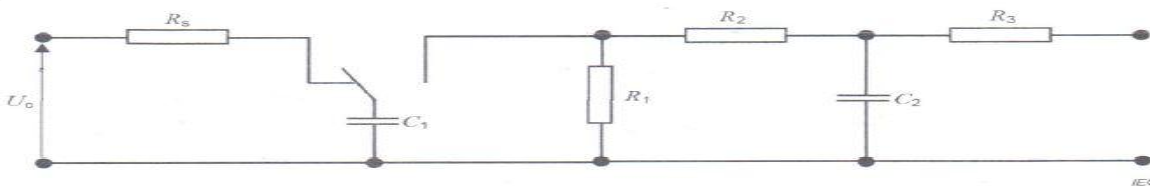


Figure D.1 – 1,2/50 μ s and 10/700 μ s voltage impulse generator

	Test Impulse	Figure	R _s	C ₁	C ₂	R ₁	R ₂	R ₃
Circuit 1	10/700 μ s	D.1		20 μ F	0.2 μ F	50 Ω	15 Ω	25 Ω

Advance Features

- Impulse Generator system is fully compliant as per new standards of IEC62368-1, IEC60950
- 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	SMIMP10x700-7kV
Output Voltage	0.5kV ~ 7 kV (at bulk capacitor)
Voltage Display Accuracy	$\leq \pm 1\%$
Open Circuit Rise Time	10 μ s \pm 30% (1.67 times between 30% & 90%)
Open Circuit Duration Time	700 μ s \pm 20% (time to half value)
Virtual Impedance	40 Ω
Charging Time	\leq 15 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, \pm 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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