

Impulse Generator SMIMP10.0-10/700

Impulse Generator is designed for Impulse test requirement as per IEC 62368-1, Table D.1, circuit 1 and as per previous standard IEC 60950-1, table N.1, circuit 1 with high reliability, intelligent control, user-friendly design and many other features. The object of this product is to simulate impulse of voltages induced into telephone wires and coaxial cables in long outdoor cable runs due to lightning strikes to their earthing shield.

Advance Features	
<ul style="list-style-type: none"> • Impulse test system as per fully compliant with the new standards of IEC 62368-1 and previous standard IEC 60950-1 • Easy Programmable operation option by a key setting. • BNC port to measure output voltage of waveform. 	<ul style="list-style-type: none"> • Large 7 Inch LCD Touch Screen Display with intelligent control panel. • Impulse tester with fully automatic as well as manual trigger option. • Built-in RS485, RJ45 & USB interface for remote operation. • User friendly software for PC operation
Other Features	
<ul style="list-style-type: none"> • Out put terminals: High & Return at front • 1000:1 voltage divider to measure output voltage of waveform at front BNC port • Safety interlock at rear, shorted for normal operation 	<ul style="list-style-type: none"> • Deliverables: Impulse generator User manual High voltage test leads, 02 Factory calibration certificate • ISO17025 accredited calibration certificate optionally available

Technical Specifications

Parameters	SMIMP10.0-10/700
Output Voltage	0.3 ~ 10 kV ± 10%
Wave form parameter of Open -circuit rise time	10 μs ± 30%
Wave form parameter of Open -circuit pulse duration	700 μs ± 20%
Polarity	Positive / Negative
Trigger Mode	AUTO/MANUAL
Output impedance	40 Ω
Impulse count	1 ~ 999
Impulse interval	5 ~ 999 s
Display Screen	7 Inches LCD color touch screen
Mains supply	AC 230 V, ±10%, 50 Hz /60 Hz
Communication Mode	RS485, RJ45 & USB
Ambient Temperature	15°C to 45°C
Relative Humidity	45%-75%

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Scientific Mes-Technik Pvt. Ltd.

B-14, Pologround, Industrial Estate, Indore 452 015, India

☎ 0731-2422330/31/32/33

📄 0731-2422334

✉ sales@scientificindia.com

🏠 www.scientificindia.com



Bengaluru 080-23452635

✉ bangalore@scientificindia.com

Kolkata +917095228811

✉ kolkata@scientificindia.com

Chennai 044-42054180

✉ chennai@scientificindia.com

Mumbai +919850901735

✉ mumbai@scientificindia.com

Gujarat +917567463752

✉ gujarat@scientificindia.com

New Delhi +918889912554

✉ ndelhi@scientificindia.com

Hyderabad +917095228811

✉ hyderabad@scientificindia.com

Pune +919850901735

✉ pune@scientificindia.com