

## Impulse Generator SMIMP12.0-1.2/50

Impulse Generator is designed for Impulse test requirement as per IEC 62368-1, Table D.1, circuit 2 and as per previous standard IEC 60950-1, table N.1, circuit 2 with high reliability, intelligent control, user-friendly design and many other features. The object of this product is to simulate earth potential rise due either lightning strikes to power lines or power line faults.

<b>Advance Features</b>	
<ul style="list-style-type: none"> <li>• Impulse test system as per fully compliant with the new standards of IEC 62368-1, previous standard IEC 60950-1, IEC 61180, IEC60335-1 &amp; others.</li> <li>• Easy Programmable operation option by a key setting.</li> <li>• BNC port to measure output voltage of waveform.</li> </ul>	<ul style="list-style-type: none"> <li>• Large 7 Inch LCD Touch Screen Display with intelligent control panel.</li> <li>• Impulse tester with fully automatic as well as manual trigger option.</li> <li>• Built-in RS485, RJ45 &amp; USB interface for remote operation.</li> <li>• User friendly software for PC operation</li> </ul>
<b>Other Features</b>	
<ul style="list-style-type: none"> <li>• Out put terminals: High &amp; Return at front</li> <li>• 1000:1 voltage divider to measure output voltage of waveform at front BNC port</li> <li>• Safety interlock at rear, shorted for normal operation</li> </ul>	<ul style="list-style-type: none"> <li>• Deliverables: Impulse generator User manual High voltage test leads, 02 Factory calibration certificate</li> <li>• ISO17025 accredited calibration certificate optionally available</li> </ul>

## Technical Specifications

Parameters	SMIMP12.0-1.2/50
Output Voltage	0.4 ~ 12 kV $\pm$ 10%
Wave form parameter of Open -circuit rise time	1.2 $\mu$ s $\pm$ 30%
Wave form parameter of Open -circuit pulse duration	50 $\mu$ s $\pm$ 20%
Polarity	Positive / Negative
Trigger Mode	AUTO/MANUAL
Output impedance	12 $\Omega$ , 42 $\Omega$ & 500 $\Omega$ (selectable)
Impulse count	1 ~ 999
Impulse interval	5 ~ 999 s (depending upon different standards)
Display Screen	7 Inches LCD color touch screen
Mains supply	AC 230 V, $\pm$ 10%, 50 Hz /60 Hz
Communication Mode	RS485, RJ45 & USB
Ambient Temperature	15 $^{\circ}$ C to 45 $^{\circ}$ C
Relative Humidity	45%-75%

### Option:

- IEC60065 switch

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