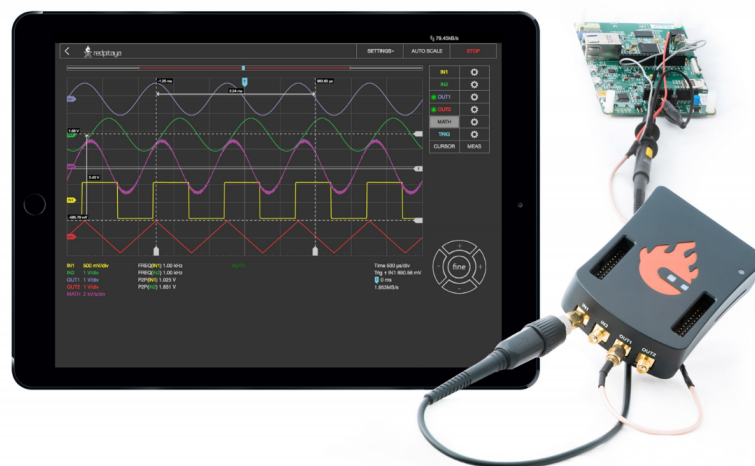




HMI-Based Impulse Generator with Oscilloscope

The Impulse Generator simulates high-voltage transients such as lightning surges or switching impulses on equipment under test. It is essential for testing appliances in categories where impulse withstand capacity is critical. This version includes an attenuated oscilloscope output for waveform capture and digital diagnostics.

Model No. : HAP6



Product Features

- Simulates standard lightning and overvoltage transients
- HMI-based control ensures ease of setup and test repeatability
- Built-in attenuated signal output for waveform analysis
- Dual polarity testing in a single unit
- Meets industry standards for surge immunity and dielectric protection





Technical Specification

| Parameter | Specification |
|------------------------|--|
| Mains Supply | 230 V AC $\pm 10\%$, 50 Hz |
| Impulse Voltage Range | ± 1 kV to ± 10 kV |
| Impulse Rise Time | $1.2 \mu\text{s} \pm 30\%$ |
| Impulse Duration | $50 \mu\text{s} \pm 20\%$ |
| Polarity Selection | Positive and Negative |
| Output Type | Attenuated 0–10V output for oscilloscope |
| Oscilloscope Interface | BNC output compatible with most scopes |
| Control Panel | HMI-based sequence controller |
| Safety Interlocks | Yes |

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|------------------------|------------------|-----------------|------------|----------------|------------|
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