



LGP

4000WFA

ELECTRICAL SURGE GENERATOR



## FROM GROUND TO SKY: FULLY CUSTOMIZABLE LIGHTNING EFFECTS TESTING

### INTRODUCING LGP-4000WFA

**LGP-4000WFA** is a low noise impulse generator for lightning effects testing, that can be applied to aircrafts and/or samples, designed to generate **Current Waveform A** in accordance with ARP5412B.

It provides external impedance control facilitating the proper waveform calibration for metal and composite aircraft/samples structures.

**LGP-4000WFA** provides safety and flexibility for lightning impulse tests both outdoors and indoors.



### ADJUSTABLE IMPEDANCE

The generator can be calibrated for test devices with inductance up to **14  $\mu$ H** and resistance up to **10  $\Omega$** , guaranteeing time to peak and time to half-peak of **Waveform A**.



### OTHER WAVEFORMS

Ocellott, with extensive experience in producing surge generators, can create devices that adhere to various waveforms specified in major standards (ARP5412, DO-160, MIL-STD-461, IEC 61000-4-5) and offers customized waveform solutions on demand.



GENERAL PARAMETERS

Working power	110 / 220 VAC single-phase
Maximum power consumption	400 W
Dimensions	1300 mm × 900 mm × 600 mm
Weight	110 kg

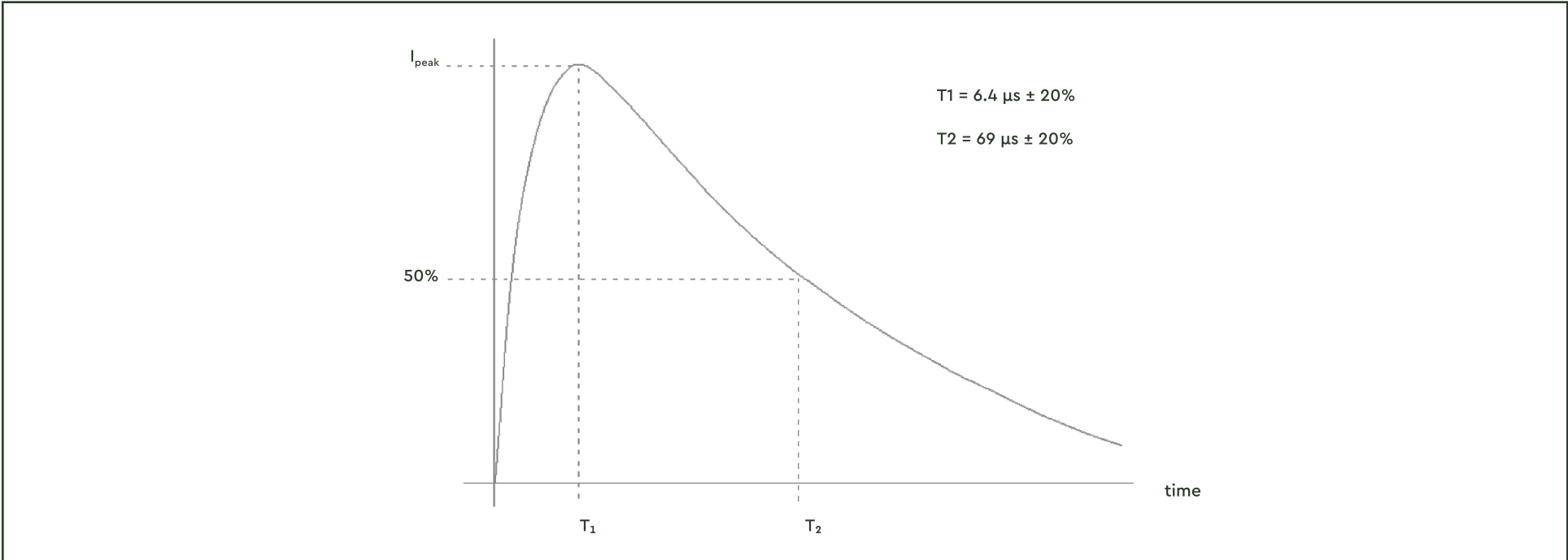
TECHNICAL PARAMETERS

Standards	ARP5412B
Current waveform	Component A
Time to peak	6.4 μs ± 20%
Time to half peak	69 μs ± 20%
Output polarity	Positive or negative

MAXIMUM RATINGS

Maximum output current	4 kA
Energy at maximum voltage	7.55 kJ
Maximum pulse repetition rate	1 / min @ 4 kA
Adjustable charge voltage	0 to 40 kV
R <sub>EUT</sub> subject to calibration	0 to 10 Ω
L <sub>EUT</sub> subject to calibration	0 to 14 μH

CURRENT WAVEFORM A







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