Model 587

Providing all three waveforms required by industry standard IEEE/ANSI C62.41–1980 for surge/voltage testing in low-voltage AC power lines (formerly IEEE-STD 587–1980), it produces three well-defined waveforms: One oscillatory and two exponential. Category A describes an oscillatory wave shape of 6kV amplitude, coupled with a current capability of 200A. Category B defines 3 wave shapes: two exponential surge wave shapes, namely, a 6kV voltage surge (open-circuit) and a 3000A current surge (short-circuit), and an oscillatory wave shape, the same as described under Category A, except with a 500A current capability. A front panel digital panel meter measures the peak voltage. The isolation network V-2734 is recommended to be used with the Model 587 Generator. An isolation network must be used when the Model 587 is attached to equipment under test (EUT) connected to an AC power line.

VELONEX

560 Robert Avenue • Santa Clara, CA 95050 • Telephone: (408) 727-7370 • Telex: 756562

Model 587 — Voltage and Current Surge Generator

Options:

B	Exponential Waveform Synchronization
C	Short Circuit Current Limit 200/500 A
D	Current Monitor
E	High Impedance Isolation Network Switching
F	230 V ± 10%, 50 Hz
G	Switchable, 115 V / 230 V ± 10%, 60 Hz
J	100 V ± 10%, 60 Hz
K	115 V ± 10%, 50 Hz
L	Remote One-Shot Feature
M	Remote Safety Feature
N	230 V ± 10%, 60 Hz
P	EUT Operation at 480 V RMS
Q	100 V ± 10%, 50 Hz
R	Rack Mount
T	Continuous Dual Waveform
W	200 V ± 10%, 50 Hz

5   Programmable Feature

587   Voltage and Current Surge Generator, ANSI C62.41 (IEEE 587), 6kV, 1.2 x 50μs Open Circuit, 3/4.5kA, 8 x 20μs, Short Circuit Combination Waveform; 6kV, 100kHz Oscillatory Waveform.

Options:

L   Remote One-Shot Feature

M   Remote Safety Feature

P   EUT Operation Up to 480V RMS.

PA   EUT Operation Up to 600V RMS.

R   Rack Mount

SA   Digital Phase Control and Single Shot Programming

X   Required with V-3070 (CCITT, IEC 805-5)

1.   Appropriate surge coupler/isolation network required when surging EUT to the AC or DC Mains.

Prices and Specifications Subject to Change Without Notice.