



T-305E High Voltage Surge Generator

The T-305E high voltage surge generator, is used for locating high impedance and flashing faults on distribution cables. It works in conjunction with a cable fault locator for pre-locating the fault position and then with a pinpointer to find the precise fault location. It is applicable for different cable fault location techniques, such as the impulse current method (ICM) and the secondary/multiple impulse method (SIM/MIM).

It can also supply a 32kV DC supply, suitable for insulation testing and as a source for sheath fault detection.

Features

- Three surge voltage ranges; 0-8kV, 0-16kV and 32 kV
- Support Secondary impulse Method (SIM), Multiple Impulse Method (MIM) and Impulse Current Method (ICM)
- High surge energy up to 1024J, with an option of 2024J also available
- Manual or automatic discharge
- Built in wheels for ease of transportation

Specification

Technical Parameters	Parameter Value
Output Voltage	0-32kV, 0-16kV, 0-8kV, Adjustable negative DC
DC Voltage	0-32kV/25mA negative polarity
Impulse energy	1024J: (32kV/2 μ F, 16kV/8 μ F, 8kV/32 μ F) 2048J: (32kV/4 μ F, 16kV/16 μ F, 8kV/64 μ F)
Operating mode	DC / Pulse / Cyclic
Testing method	SIM(MIM) / ICM
Discharge period	4 - 15s adjustable continuously when in Cyclic mode
Working voltage	220/240Vac \pm 10% (110V through step-up transformer)
Mains Frequency	50/60Hz \pm 20%
Dimensions	1024J Version: 500x400x960mm 2048J Version: 500x400x1100mm
Weight	75kg for 1024J version 120kg for 2048J version
Operating temperature	-10°C to +50°C
Ingress Protection	IP21

Delivery includes:

- High Voltage Surge Generator
- Carrying Bag for Cables
- Mains Connection Cable
- HV Connection Cable
- Grounding Pin
- Discharge Rod and lead



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