



SG50016

SURGE GENERATOR

MAIN FEATURES

- Stand Alone Surge Generator
- Van or Trolley Mount
- Robust Design
- Mains Condition Lockout System
- ICE Coupler Built-In
- 4, 8, 16kV 500J Output
- Stainless Steel IP21 Enclosure



DESCRIPTION

As cable maintenance becomes ever more challenging, test engineers require more sophisticated methods to easily and accurately pinpoint the position of cable faults. As standard, the SG50016 surge generator comes equipped with an ICE signal output to connect to any cable fault location TDR for fault pre-location. By coupling the SG50016 to our latest PCA101, you can accurately pre-locate fault positions using the well known ICE method. Our MCLS (Mains Condition Lockout System) ensures proper and safe earthing connection. The MCLS system also ensures the quality of the mains power source.



SPECIFICATIONS

Output Voltage

4, 8, 16kV All Ranges 500 Joule (Ws)

MCLS

(Mains Condition Lockout System)
Checks Polarity
Checks Mains Hi
Checks Mains Low
Checks Earthing Integrity

Pulse Rate

Every 3-10 Seconds
Single Shot

DC Test

16kV@200mA

Burning Function

16kV@ 200mA Limited to short period only

Capacitor

Steel Enclosed Oil Filled(Non PCB)
Porcelain Insulators

Enclosure

308 Stainless Steel IP21

HV Transformer

Dry Type Temperature Protected
4 Individual Secondary Coils

Test Method Options

ICE Coupler: Built-In

Dimensions

480X460X375mm

Weight

48kg

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Mobility

Trolley, Trailer or Van Mount

Test Environment

Temperature Indoor and outdoor: 10°C to + 50°C.

Humidity: ≤ 85%

Supply Voltage

230V 50/60Hz, 16A

Standard Accessories

High voltage test lead
Mains lead
Earth Lead

Warranty

1 Year

Optional Accessories

PCA101 TDR
GMA205 Ground Microphone
CRS 30-3 Cable Reel System
INV5000 Inverter and Battery System



Management
System
ISO 9001:2015



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