



# SG7505

## SURGE GENERATOR

### MAIN FEATURES

- **Stand Alone Surge Generator**
- **Van or Trolley Mount**
- **Robust Design**
- **Mains Condition Lockout System**
- **ICE Coupler Built-In**
- **3kV 270Joule, 5kV 750Joule**
- **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 SG7505 surge generator comes equipped with an ICE signal output to connect to any cable fault location TDR for fault pre-location. By coupling the SG7505 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

3kV 270 Joule (Ws), 5kV 750 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

5kV@200mA

### Burning Function

5kV@ 200mA Limited to short period only

### Capacitor

Plastic Oil Filled(Non PCB)

### Enclosure

308 Stainless Steel IP21

### HV Transformer

Dry Type Temperature Protected  
Single Secondary Coil

### Test Method Options

ICE Coupler: Built-In

### Dimensions

480X460X375mm

### Weight

43kg

### 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



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Management System  
ISO 9001:2015



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