



SG80034

SURGE GENERATOR

MAIN FEATURES

- **Stand Alone Surge Generator**
- **Designed for Cable Repair Shops**
- **Van or Trolley Mount**
- **Robust Design**
- **Mains Condition Lockout System**
- **ICE Coupler Built-In**
- **8.5, 17, 34kV 1450J Output**
- **Stainless Steel IP21 Enclosure**
- **Current Limited Pressure Testing**



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 SG80034 surge generator comes equipped with an ICE signal output to connect to any cable fault location TDR for fault pre-location. By coupling the SG80034 to our latest PCA101 and Modarc32 systems, 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

8.5, 17, 34kV All Ranges 1450 Joule (Ws)
0-34kV Current Limited Pressure Test

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

34kV@20mA Current Limited

Burning Function

34kV@ 160mA 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

500X810X460mm

Weight

SG80034 ICE. No TDR, 118kg

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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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