



# Modsys22

**SURGE GENERATOR  
MODULAR CABLE FAULT  
LOCATION SYSTEM**

## MAIN FEATURES

- **Modular System**
- **Van or Trolley Mount**
- **Robust Design**
- **Mains Condition Lockout System**
- **ICE and ARC Couplers Built-In**
- **0-5.5, 0-11, 0-22kV 1000J 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 Modsys22 surge generator comes equipped with an ICE and ARC signal filter to connect to any cable fault location TDR for fault pre-location. The Modsys22 forms part of our flexible fault location system offering endless possibilities. By coupling the Modsys22 to our latest PCA101, you can accurately pre-locate fault positions using the well known ICE and ARC 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

0-5.5, 0-11, 0-22kV All Ranges 1000 Joule (Ws)  
0-22kV 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

0-22kV@20mA Current Limited

### Burning Function

0-22kV@ 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  
ARC Reflection Filter: Built-In

### Dimensions

750X810X460mm

### Weight

Southern Africa Fault Location (Pty) Ltd  
5 Union Street  
Roxton  
Alberton North  
Gauteng  
1449  
South Africa  
Tel: +27119076473  
Email: sales@adret.co.za

Modsys32 ICE. No TDR, 138kg

### 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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