



SURGE GENERATOR

MODSYS16-PCA-INV

MAIN FEATURES

- **Modular Cable Fault Location System**
- **Trolley Mount**
- **Robust Design**
- **Mains Condition Lockout System**
- **4, 8, 16kV 500J Output**
- **PCA101 TDR Built-In**
- **ICE and TDR**
- **ICE Coupler Built-In**
- **LiFePo4 Battery Included**
- **Solar MPPT Charger Included**
- **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. The Modsys16-PCA-INV fault location system comes equipped with a surge generator, TDR Pre-Location scope and a solar capable inverter charger. The LiFePo4 battery can be charged from mains as well as a solar panel where mains is not available. Total running time at full output is 3.5 hours. 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

TDR and ICE

Dimensions

580WX679DX1114mmH

Weight

108kg

Southern Africa Fault Location (Pty) Ltd

5 Union Street

Roxton

Alberton North

Gauteng

1449

South Africa

Tel: +27119076473

Email: sales@adret.co.za

Test Environment

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

Humidity: ≤ 85%

Supply Voltage

230V 50/60Hz, 16A

Battery

100Ah LiFePo4, 12.8V

Solar Panel Input

Yes

Standard Accessories

High voltage test lead

Mains lead

Earth Lead

Warranty

1 Year

Optional Accessories

GMA205 Ground Microphone

36V, 10A Solar Panel for MPPT Charger



Management
System
ISO 9001:2015



www.tuv.com
ID 9105029481