

Fault Location Scope

PCA100

Power

Power Cable Analyzer

The Adret PCA100 was developed to assist power and communication cable fault location technicians in pre-locating and pre-determining distances to faults existing in power cables. It gives a direct reading in meters to the fault distance. It is capable of locating low resistance (that is any fault lower than about 120 ohms or infinity ohms).

Features

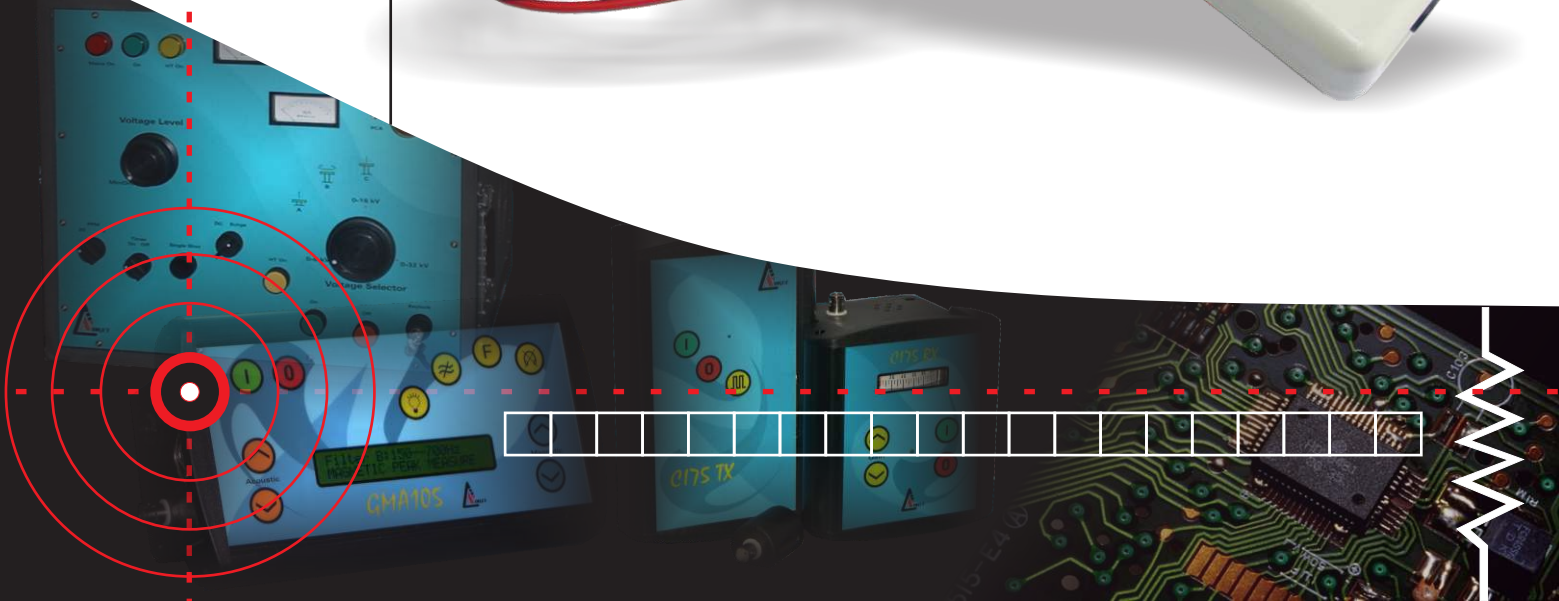
- Locates faults quickly and easily
- Automatically places cursors
- Automatically selects range
- Built in Backlight
- Rechargeable Batteries
- Simple keyboard

Operating Modes

TDR

TDR

In the TDR (Time domain Reflectometer) mode the instrument transmits a pulse which is reflected off the far end of the cable. Any impedance mismatches (i.e. Joints, open or short circuits) along the cable are also reflected. The waveforms are easy to analyze.



Application



Specifications

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Range	0-8km
Resolution	1m(0-125m), 2m(125-250m), 4m(250-500m), 8m(500m- 1km), 16m(1km-2km), 32m(2km-4km), 64m(4km- 8km)
Pulse Amplitude	30V
Pulse Width	80ns-5us
Dead Zone	1m
Velocity Adjust	100-300m/us
Gain	0-80db
Display	128*64 Lattice LCD
Power Supply	NiMH Batteries
Dimension	225*105*50mm
Weight	420gr

Standard Accessories

1. Padded canvas carry case
2. All necessary cables
3. Switch mode battery charger and power supply
4. Operator manual



Optional: Surge Generators and AE101



Products available from ADRET test instruments:

Surge Generators SG 200032, SG 130032, SG 50016, SG 7505
Cable Identification System CI75, CI200
Burndown Unit BU 3500
Ground Microphone Amplifier GMA205, GMA305
Cable Reel System CRS30
DC Pressure Testers 2010PT
AC Pressure Testers 3010PT
Combination Pressure Testers (AC+DC) 5010PT, 7010PT, 10010PT, 3042PT
VLF Pressure Testers VLF20
Fault Pre-Locators PCA101, PCA201+AE101
Test Vans & Trailers
Sheath Fault Locators SFL16



Rev 2



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