

System 15P

Portable Fault Locating System



Description

The System 15P is the latest state-of-the-art portable Fault Locating System for power cables.

It combines a thumper and a high voltage coupler, built in a sturdy, waterproof NEMA 12 enclosure.

The system is designed for fault locating on loop-feed systems.

790 Joules of energy, at 15kV, makes the job easy, even on longer cable sections.

Four modes of operations: Radar, direct thump, DC testing and burning.

Features

- Output Voltage adjustable between 0 ... 15kV
- Output Energy 790 Joules at 15kV
- Radar mode / direct thump mode
- Single shot thump in Radar mode, time controlled thump in direct mode
- Battery powered or external AC
- Battery charger built-in
- Digital Cable Radar DCR 3
- 30' of High Voltage cable / ground cable with quick connector (MC)

Technical Specifications System 15P

FEATURES System 15P:

Arc Reflection System for fast Fault finding on Loop-Feed Systems.

This portable System combines a Thumper and a Radar (DCR 3), mounted on a Hand Truck, Battery powered (or external 115V/60Hz).

Automatic Power detection for battery operation or external AC, with built-in battery charger.

Thumper:

Output Voltage: 0 ... 15kV continuously adjustable

Surge Energy: 790 Joule at 15kV

Capacitor: 7 μ F

Modes: RADAR Mode

 Direct Thump

 DC Test

 Burn Mode (13mA max)

Single shot Thump in RADAR

Time controlled Thump in DIRECT

Output Cable: 30' 60kV High Voltage Cable with MC Connector.

Ground Cable with quick connector

Power requirements:

12V Battery or external 115V / 60Hz with automatic Power detection.

Battery charger (up to 10 A) built-in.

Safety features:

Interlocked High Voltage switch.

Zero Start for High Voltage "ON".

Emergency "OFF" Button.

Kilo-Volt Meter (0 ... 15kV) with battery scale.

Waterproof Cabinet (NEMA 12)

FEATURES DCR 3:

The DCR 3 is ideal for Fault Locating on Loop-Feed Systems.

Just a few steps gives you the result on a large, 8.4" High Brite LC-Display.

A new, enhanced pulse shape (Exponential) makes your splices or transformer visible.

Screen:

High Brite 700 nit, VGA Color TFT LC-Display, 8.4" (21.3 cm) diagonal (optional 10.4" 800 nit *)

Velocity of propagation:

Via cable menu or manual between

200 ft/ μ s ... 492 ft/ μ s

(61m/ μ s ... 150 m/ μ s)

Range up to 100 kft (30 km)

Display Modes:

Real-time Mode

Traces: Real-time, A, B, C

Distance Measurement:

Via two vertical cursors

Storage capabilities:

Up to 100 Traces on internal Solid-State Disk

RS-232 Interface:

For Downloading/Uploading traces

User Setup:

Start-up settings (v/2, Startmarker, Range etc.)

Power requirements:

90V ... 240V 50/60 Hz

*) available 2nd quarter 01

Subject to change without further notice.
(12/00)



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