CFL TECHNOLOGY, INC.
Cable Fault Locating - Manufacturing - Testing - Service

Mini System

Description

The Mini System is a compact, lightweight Fault Locating System for installation in utility vehicles. It combines a thumper and a separation filter in a small package.
All functions e.g. voltage setting, operating modes are computer controlled.

The Control unit can be mounted anywhere inside the vehicle within 10' from the HV enclosure.

Features

Surge voltage 0 … 6kV 1000J
0 … 12kV 1000J
0 … 24kV 1000J
Thump rate 3 … 10s
DC Testing up to 24kV/100mA

Two motor high voltage-switches built-in

LCD Display for modes & operating settings

Small footprint.

CFL Technology, Inc., 4345 Wood Drive, Walnutport, PA 18088
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Technical Specifications Mini System

FEATURES Mini System:

The Mini System combines a Thumper and a Filter in one package.
Constant Energy (1000J) in all three voltage settings makes this system suitable for enhanced fault locating applications.

Thumper:

Output Voltage: 0 … 6,12 & 24kV
Surge Energy: 1000 Joule
Modes: RADAR Mode
Direct Thump
DC Test
Burn Mode (100mA max)
Single shot Thump in RADAR
Time controlled Thump in DIRECT
Output Cable: 15'' 40kV High Voltage Cable with MC Connector.
Ground Cable with quick connector

Power requirements:

115V/230V / 60Hz 1.8kVA

Safety features:

Zero Start for High Voltage "ON".
Emergency "OFF" Button.
LCD Display
Waterproof Cabinet (IP 40)

Weight: 240Lbs
Dimensions: 22" x 38" x 23"
Temperature range: -25ºC … 55ºC

Subject to change without further notice.
(02/01)

TDR DCR-3:

Measuring Range:
Continuously adjustable up to 100kft

Pulse width:
Automatic with Range selection or manual
50ns, 100ns, 200ns, 500ns, 1µs, 2µ, 5µs, 10µs
Exponential Pulse shape for better Reflections on Transformers/splices
APF Mode (Autom. Peak Finder)

Sampling Rate: 100 MHz

Accuracy:
± one sample (Crystal controlled)

Screen:
High Brite 700 nit, VGA Color TFT LC-Display, 8.4" (10.4" opt.) (21.3 cm) diagonal

Velocity of propagation:
Via cable menu or manual between 200 ft/µs ... 492 ft/µs
(61m/µs … 150 m/µs)

Display Modes:
Real-time Mode always visible
Traces Input, A, B, C

Distance Measurement:
Via two vertical cursor

Storage capabilities:
Over 100 Traces on internal Solid-State Disk

Testing Modes:
TDR Real-time-Mode (Traces: Real-time,A,B,C)

Power Requirements:
90V … 240V 50/60 Hz

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