

## DCR 3

Digital Cable Radar for Power cables



### Description

The DCR 3 is the latest state-of-the art Digital Cable Radar for power cables.

It is easy to use, even for the inexperienced user and does not require special training.

In the EASY mode, only two settings need to be made (Range/Velocity) to get the DCR 3 ready for the Thump.

**New:** APF Mode (Automatic Peak Finder)

With the APF activated, the DCR-3 corrects automatically Range and end marker to the cable end or to the fault.

### Features

- Range up to 100 kft( 30 km)
- Pulse width adjustable from 50ns .. 10us
- 100 MHz sampling rate
- Large, 8.4" Color LC-Display
- Real-time trace (always visible)
- Two cursors for distance measurement
- Storage capability



## Technical Specifications DCR-3

**Measuring Range:**

Continuously from 10% increments of Displayed Range

**Pulse width:**

Automatic with Range selection or manual  
50ns, 100ns, 200ns, 500ns, 1 $\mu$ s, 2 $\mu$ s, 5 $\mu$ s, 10 $\mu$ s  
Exponential Pulse shape for better Reflections on Transformers/splices

**Sampling Rate:** 100 MHz

**Accuracy:**

$\pm$  one sample (Crystal controlled)

**Screen:**

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

**Velocity of propagation:**

Via cable menu or manual between  
200 ft/ $\mu$ s ... 492 ft/ $\mu$ s  
( 61m/ $\mu$ s ... 150 m/ $\mu$ s )

**Display Modes:**

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

**Distance Measurement:**

Via two vertical cursor

**APF (Automatic Peak Finder)****Storage capabilities:**

Over 100 Traces on internal Solid-State Disk

**RS-232 Interface: (optional)**

For Downloading/Uploading traces and print outs (optional)

**Testing Modes:**

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

**User Setup:**

Measurements in ft or metric (optional)  
Two quick Start-up settings (v/2, Startmarker, Range etc.)  
Easy Mode

**Power Requirements:**

90V ... 240V 50/60 Hz

**Operating Temperature:**

-20 to +40C

**Weight:** 14 lbs. (7.5 kg)

Dimensions:

14 1/2" W x 10 1/2" D x 7.5" H

(35.5cm W x 26.7cm D x 19cm H)

Subject to change without further notice.  
(08/00)