



H.V. TEST

Specialists in High Voltage
Testing & Diagnostics

HVIR3000 Portable Reflectometer for MV Cables

Projects

Repairs

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Products

The primary objective of the use of reflectometry is to pre-locate a power cable failure in a fast and accurate way so as to ensure optimum basis for further pinpointing.

Filters: ARM filter (Arc Reflection Method), DECAF filter (voltage decay reflection), Inductive coupling for Impulse Current Method (ICE).



Features:

- Colour LED backlight screen.
- Easy operation through its touch screen.
- Compatible with all existing pre-locating systems.
- Compatible with all existing locating systems.
- Simple operation
- Compact, portable and lightweight equipment
- TDR - ICE - ARM – DECAF technology
ARM/ARC requires a HV filter
Decay requires a HV coupler
- Display of up to 4 different measurement curves
- USB port connection
- Step selectable digital filtering
- High resolution thanks to the fast sampling frequency of 80 MHz
- Internal compensation for a good representation of surrounding areas
- 1 GB memory for correct measurement storage.

H.V. TEST

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HVIR3000

Portable Reflectometer for MV Cables

TECHNICAL SPECIFICATIONS

HVIR3000

- | | |
|----------------------|--|
| • Measuring ranges | 1000 m to 250 Km @ 80 m/μsec |
| • Pulse width | 150ns at 8μs |
| • Pulse amplitude | 20Vp a 100Vp |
| • Resolution | 1 m @ VP2=80m/ segμ |
| • Sampling frequency | 80 MHz |
| • Methods | TDR, ICE, ARC and DECAY |
| • Output impedance | 50 ohm |
| • Measurement | Movable cursors on screen |
| • VP/2 | Adjustable between 50 m/μsec-150m/μsec |
| • Zoom | Yes |
| • Memory | > 1,000 reflectograms |
| • Connectors | USB 2.0 - BNC |
| • Display | high-contrast TFT LED
backlight colour screen |
| • Dimensions, Weight | 400 x 330 x 170mm, 6kg |

Optional

- The HVIR3000 reflectometer is available in its 19-inch version, please enquire about the HVIR4000 and it is suitable for 19-inch rack mounting systems.
- The ARM/ARC method can only be used when the unit is connected to the appropriate HV ARM/ARC filter (Not included)

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