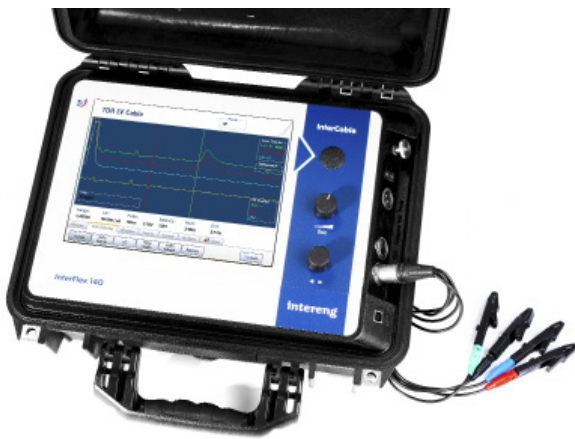


InterFlex 140

Rugged 3-phase TDR based power cable fault pre-locator for field measurement

The **InterFlex 140** is a high performance 3-phase Time Domain Reflectometer (TDR) for pre-locating cable faults primarily in underground power cable networks from low to high voltage. The rugged design and a powerful measurement impulse of 160V make it ideally suited for demanding field measurement tasks. Supporting all relevant TDR-HV modes, the instrument's capabilities can be further increased by combining it with a

suitable HV source and coupling filter. As a result, the precise location of high resistance and intermittent faults is possible. The bright colour display, minimal controls and an easy to navigate user menu simplify operation. Numerous analytical features (comparison, difference curves etc.) provide powerful support during complex fault locating situations.



- + High Performance 3-Phase TDR
- + Rugged Portable Field Test Design
- + Fully Featured & HV Modes

APPLICATIONS & FEATURES

- Isolating & pre-locating faults in various metallic cable networks;
- Multiphase (3-phase) comparison and difference modes for faster fault evaluation and isolation;
- TDR cable finger-printing;
- Display of up to 7 curves;
- Straightforward user friendly software menu with rotary encoder operation;
- Manual or automatic modes for cursor setting;
- Multi-Language Firmware.

SPECIFICATIONS

Measurement modes:

modes TDR-LV	Direct (3-phase); Comparison (L-L,L-N); Intermittent Fault Scanning
optional TDR-LV mode	

modes TDR-HV (require suitable HV source)	Arc Reflection Technology Surge Current Coupling Decay Voltage Coupling
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Performance:

measurement range	95km (250km transient mode)
max. impulse voltage	160V
pulse widths	50ns to 10µs
V/2	10 to 149,9m/µs
resolution	0,2m
impedance matching	25 to 1600Ω

GENERAL DATA

display	Colour 10,4"; 450 cd/m ²
interface	USB
power supply	85 to 264V; 50Hz/60Hz 10-24V; optional battery
IP rating	IP67
ambient temperature	10°C to +55°C
weight	6,9kg incl. battery
dimensions	406 x 330 x 174mm

SCOPE OF SUPPLY

InterFlex 140
Set of connection cables incl. cable bag
Instruction manual on CD
Transfer software InterFlex COM on CD

OPTIONS

Internal battery
External Coupling Filters for various HV modes
3-phase InterFlex cable drum, 25m or 50m versions
Fused test leads
Installation accessories