

HTD 6

HV-DC combi tester for cable core & sheath testing and fault converting 6kV

The HTD 6 is a portable field test device for precise high voltage DC testing of various capacitive components in modern power networks. It is best suited for commissioning and routine tests on power cables. The instrument allows to perform cable core and cable sheath tests. In addition it provides a pulsed DC output to locate sheath faults

in combination with a suitable ground fault sensor. Other available operating modes are burn converting & constant current testing. Thanks to the rugged instrument design and the integrated battery option this device can work in harsh environments. An extensive range of accessories complements the versatility of the test system.



- + Compact & Rugged Field Test Design
- + Portable with Integrated Battery Option
- + Constant Voltage and Constant Current Testing

APPLICATIONS & FEATURES

- Testing of cables in power, lighting, control and communication networks;
- Testing electric heating cable systems;
- Constant voltage and constant current supply;
- Handy and simple to operate test combination;
- Rugged (IP64) HV test set with precise and clearly visible analogue metering;
- Adjustable current limitation;
- High burn current (400mA) for fault conditioning;
- Extensive range of accessories allows to upgrade to fault locating system;
- Short circuit proof design.

SPECIFICATIONS

Analysis & test of faults:

Max. test voltage (DC)	6kV
Max. test current (In)	12mA (2kV)
Resolution (accuracy)	100V / 1μA (± 1% FS)
Overcurrent trip	0,12mA to 12mA; switch-off

Isolation of faults:

Fault conditioning (Imax)	400mA
Pre-location (opt.)	BFL 6 (extra HV bridge)
Pre-location (opt.)	INTERFLEX 140 & ECF-C

Mapping of faults:

Max. output (DC)	6kV
Pulse rate (DC)	1:3

GENERAL DATA

Safety	built-in discharge unit
IP rating	IP64
Dimensions	350 x 420 x 220mm
Weight	9,5kg
Mains supply	230V; 50Hz
Battery (opt.)	LiFePo4; 1,5hrs cont. operation

SCOPE OF SUPPLY

Test generator HTD 6 incl. connection cables (2m)
User manuals on CD

OPTIONS

Battery pack for HTD 6
Pinpointer Locator S with two earthing probes
BFL 6 bridge type fault locator for pre-locating