

Portable VLF Test set HTV6040

The portable VLF test set HTV 6040 enables testing of medium voltage cables with extruded insulation (XLPE, PE, EPR insulation) with a nominal voltage of up to 12,7/22 kV. The low-load VLF method uses a low-frequency alternating voltage of 0.1 Hz and a maximum of 40 kV for testing.



- Compact design
- Cable-protecting 0.1 Hz test
- Automatic test sequences

FEATURES

- compact and portable VLF testing device
- simple operation
- menu-driven operation in German/English, optional: multi-lingual
- fully automatic test sequence
- integrated timer with automatic switch off
- integrated breakdown detection
- integrated fault time recording
- direct high voltage measurement
- protective earthing circuit
- VDE 0104 compliant protective circuit
- leakage current measurement during the VLF test

Optionally:

- data logging (USB) for VLF test sets
- frequency extension: 0.05 Hz or 0,02 Hz
- transport case or trolley

SPECIFICATIONS:

Operation modes

- VLF output voltage _____ 5 ... 40 kVeff,
appr. sinusoidal, 0.1 Hz
- VLF maximum load _____ 38 kV = 1.8 µF (0,1Hz)
19 kV = 3.7 µF (0,1Hz)

- DC output voltage _____ 0 ... ±57 kV

- DC max. output current
over current tripping _____ 10 mA

Specific characteristics

- measuring ranges voltage_-60 ... 0 ... +60 kV
- measuring ranges current_100 µA / 1 mA / 10 mA
- max. discharge capacity _____ 9000 J (6 µF/55 kV)

Power supply

- mains voltage _____ 230 V, 50 Hz
- current input _____ 8A
- power input _____ max. 3000 VA

Mechanical data

- dimensions control unit _____ 340 x 370 x 200 mm
- dimensions
high voltage unit _____ 245 x 406 x 443 mm
- weight control unit_____ 17 kg
- weight high voltage unit _____ 49 kg

SCOPE OF SUPPLY

- control unit
- bag for control unit
- high voltage unit
- set of connecting cables
- user manual
- service kit