

Data sheet



viola

two-part design VLF truesinus® high voltage testing device

¹ VLF = Very Low Frequency

Application field

- on-site testing of medium voltage cables according to
 - VDE DIN 0276-620/621 (CENELEC HD 620/621)
 - IEEE P 400.2-2004
 - IEEE 400-2001
- cable sheath testing / Sheath fault location
- insulation tests on electrical equipment, such as rotating machines (motors and generators) according to
 - IEEE 433

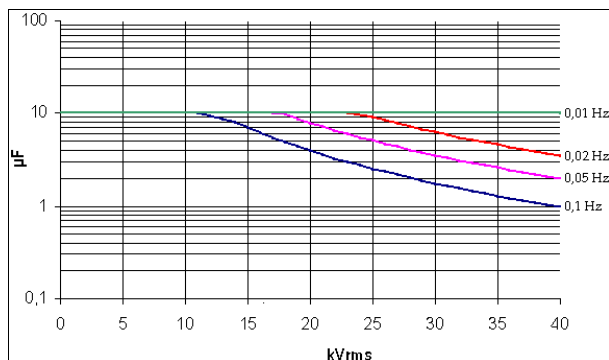
Features

- two-part design, portable testing equipment
- VLF truesinus® high voltage source
- fully programmable automatic test sequences
- data communication and saving via infrared interface
- automatic, integrated discharging device
- extendable to diagnosis system for tan delta and partial discharge measurement

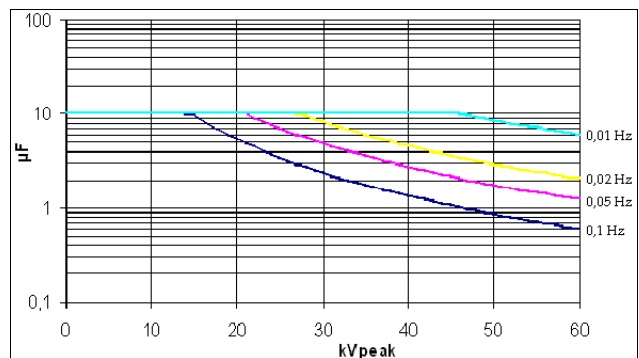
Technical data

Output voltage VLF truesinus® DC Square wave voltage Accuracy Resolution	1 ... 40 kVrms (1,4 ... 56.5 kV peak) +/-1 ... 60 kV 1 ... 60 kV 1 % 0,1 kV
Output current Measuring range Accuracy Resolution	0 ... 70 mA 1% 100 µA
Frequency variation	0,01 Hz ... 0,1 Hz
Mains supply	100 ... 260 V, 50/60 Hz
Max. Input power	1400 VA
Operation temperature	-10 ... +55 °C
Storage temperature	-20 ... + 60 °C
Protection class	splash water and dust protected, IP 44
CE-conform	yes
Languages	en, de, fr, es, it, nl, ru, ee,cz others on request
Dimensions (width x height x depth) High voltage part (approx.) Operation part (approx.) Connected (approx.)	456 x 430 x 370 mm (17,9 x 16,9 x 14,6 in.) 485 x 570 x 390 mm (19,1 x 22,4 x 15,4 in.) 485 x 860 x 390 mm (19,1 x 33,9 x 15,4 in.)
Weight (approx.) high voltage part operation part	50 kg 25 kg

Load diagram VLF truesinus®



Load diagram VLF square wave



Delivery includes

- High voltage test generator with HV connection cable, 10 m long (fix mounted)
- Discharge Rod
- Ground cable
- Short-circuit plug for external emergency off socket
- Mains cable
- user manual

Option

- PD-Portable
- External emergency off with warning lights on drum 25 m / 50 m



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