



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

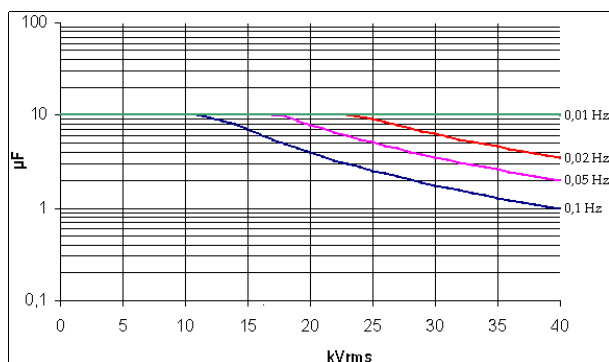




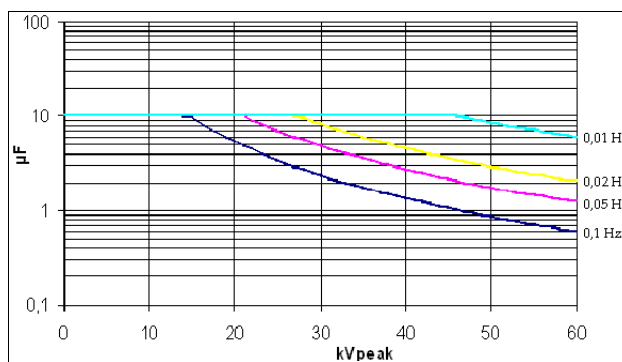
Technical data

	viola basic	viola
Output voltage VLF truesinus® DC Square wave voltage Accuracy Resolution	28 kVrms +/- 40 kV 40 kV peak 1 % 0,1 kV	40 kVrms +/- 60 kV 60 kV peak 1 % 0,1 kV
Output current Measuring range Accuracy Resolution	0 ... 70 mA 1 % 100 µA	0 ... 70 mA 1 % 100 µA
Frequency variation	0,01 Hz ... 1,0 Hz	0,01 Hz ... 1,0 Hz
Mains supply	110 ... 240 V, 50/60 Hz	110 ... 240 V, 50/60 Hz
Max. Input power	1500 W	1500 W
Operation temperature	-10 ... +55 °C	-10 ... +55 °C
Storage temperature	-20 ... + 60 °C	-20 ... + 60 °C
Protection class	splash water and dust protected, IP 44	splash water and dust protected, IP 44
CE-conform	yes	yes
Languages	en, de, fr, es, it,nl, ru, ee,cz others on request	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.)	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	50 kg 25 kg

Load diagram VLF truesinus®



Load diagram VLF square wave



Delivery includes

- 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

