



# frida

## Data Sheet



## Compact, portable VLF truesinus<sup>®</sup> High Voltage Testing device „frida“

### 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

- Compact, easy portable testing equipment
- VLF truesinus<sup>®</sup> high voltage source
- Fully automatic programmable test sequences
- Data communication and saving via USB-interface
- Integrated cable case with connection cable
- Automatic, integrated discharging device
- Extendable to diagnosis system for tan delta and partial discharge measurement





## Technical Data frida

### Output voltage

VLF truesinus®	23 kVrms
DC	+/- 30 kV
VLF square wave	30 kV peak
Accuracy	1 %
Resolution	0,1 kV

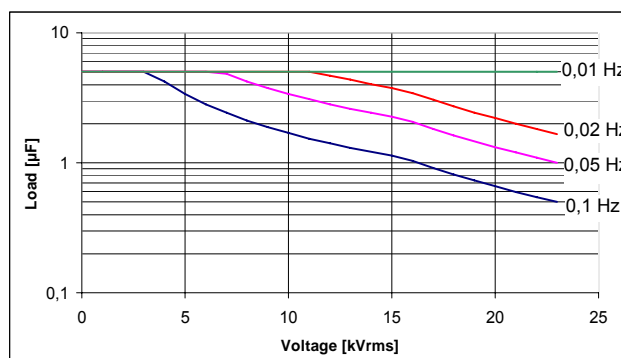
### Output current

Measuring range	0 ... 20 mA
Accuracy	1 %
Resolution	1 µA

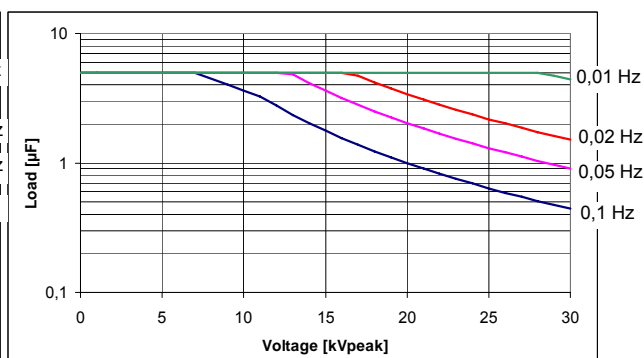
### Max. Output voltage

VLF truesinus® 23 kVrms  
 DC +/- 30 kV  
 VLF Square-wave 30 kV peak

### Load diagram VLF truesinus®



### Load diagram VLF Square-wave



### Frequency variation

0,01 Hz ... 0,1 Hz (automatically adjusted)

### Mains supply

110 ... 240 V, 50/60 Hz

### Max. Input power

300 W

### Operation temperature

-10 ... +50°C

### Storage temperature

-20 ... + 60°C

### Protection class

splash water and dust protected

### CE-conform

### Languages

English, German, Dutch, Russian  
 other languages on request

### Dimensions approx.

438 x 412 x 220 [mm]  
 (width x height x depth )

### Weight

19.5 kg (43 lb)

### 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

