




VLF sine wave 28 kV

VLF sine wave test system

Advantages:

- ▶ **Small and easy to handle**
- ▶ **High test capacity**
- ▶ **True sine wave voltage**
- ▶ **Single-button operation** 
- ▶ **Integrated safety system**
- ▶ **Logging**

How it works

The VLF sine wave 28 kV is a small, handy and portable VLF test system for anyone who needs to test a true 0.1 Hz sine wave voltage.

The VLF test system is easy to use, thanks to its single-button operation, its clear, simply structured menu and its colour display.

Besides true sine wave AC, other waves shapes are available as positive and negative DC, square wave (load-dependent) and pulsed DC for sheath fault testing.

Test capacity

With a testable cable capacity of 0.7 μF at 28 kV and weighing just 25 kg, it has an excellent capacity-to-weight ratio. If the test load is exceeded, the VLF sine wave can be automatically or manually adjusted and the frequency reduced to achieve a testable cable ca-pacity of 5 μF at 0.01 Hz.

Breakdown detection

With the breakdown detection, the system immediately switches off and discharges the tested cable after breakdown.

Data Logging

Data logging takes place via a USB stick in the form of a simple text file or together with the well-known Winkis logging software for fast evaluation of test data.

tanDelta measurement

True sine wave voltage allows highly precise tanDelta measurements with the optional tan delta test attachment.



Advanced Utility Solutions Pty Ltd. T/A.

Phone 02 9972 9244 Fax 02 9972 9433
Unit 1, 176 South Creek Road, Cromer NSW 2099
Email sales@sebakmtaus.com

www.sebakmtaus.com



Test modes

- ▶ Measurement of true rms for current and voltage
- ▶ R and C load detection
- ▶ Leakage current measurement in DC modes
- ▶ Tan delta measurement (optional)

Technical details

- ▶ 0.7 μF at 0.1 Hz, 28 kV_{peak} (20 kV_{eff})
- ▶ 5.0 μF at 0.01 Hz, 28 kV_{peak} (20 kV_{eff})
- ▶ R and C load detection
- ▶ F-Ohm safety circuit
- ▶ Breakdown detection
- ▶ Modes: sine wave, DC+, DC-, square wave
- ▶ Wide range input 85 V ... 265 V 50/60 Hz
- ▶ Power consumption 350 VA max.
- ▶ Max. current: 9 mA at 20 kV_{eff}

Features

- ▶ Full 0.1 Hz AC testing
- ▶ Compact, rugged and lightweight
- ▶ Integrated trolley
- ▶ Simple operation with programmable test sequences
- ▶ Maximum user safety thanks to automatic discharge of the test object and F Ohm grounding monitoring
- ▶ Breakdown detection
- ▶ Output voltage display
- ▶ Internal self-calibration for minimum offset deviation and amplitude of true sine wave 0.1 Hz AC
- ▶ Minimum test capacity <10 nF for very short cables
- ▶ Quick, easy data logging and updates via USB port

Data

Dimensions	50 x 45.77 x 30.5 cm
Weight	24 kg
Protection class	IP 20 / IP 67 with closed lid