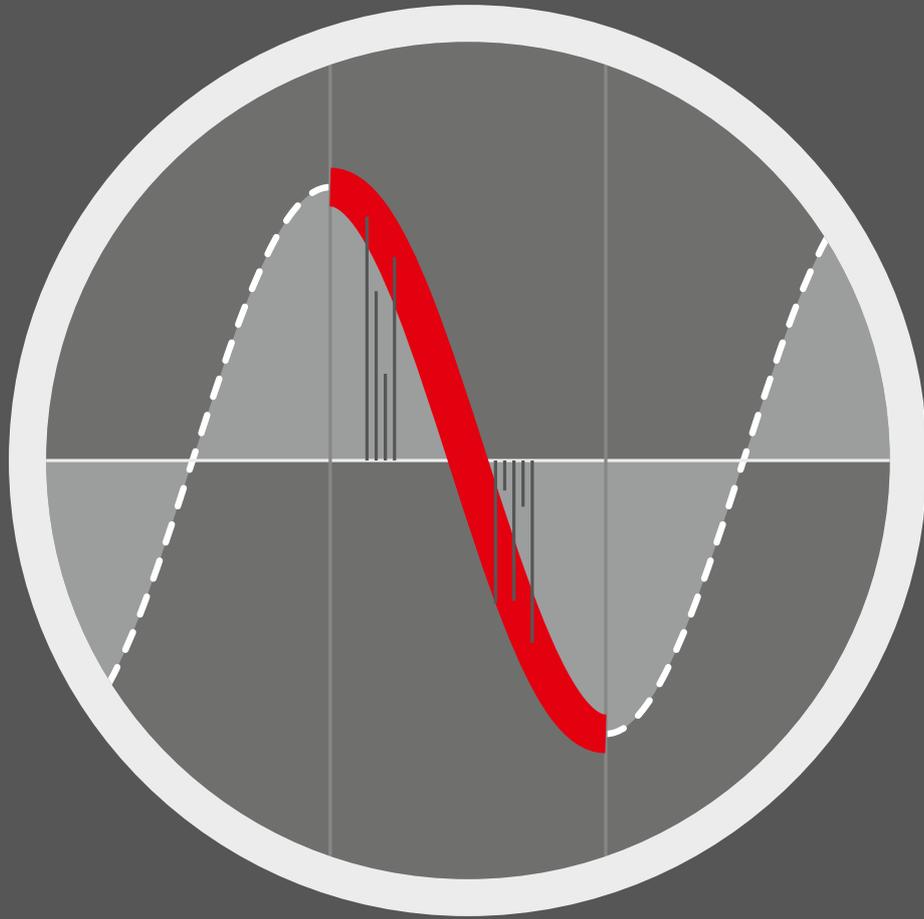


The **next generation**
of **cable diagnosis**



50 Hz Slope Technology

sebaKMT

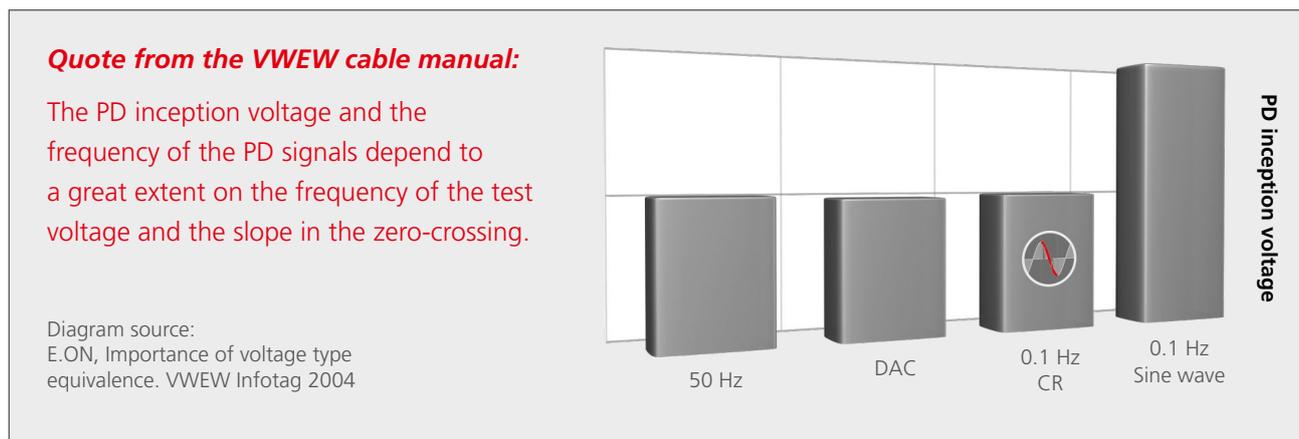
A member of Megger Group

The next generation of cable diagnosis with 50 Hz Slope Technology

The 50 Hz slope technology

SebaKMT has been the leading manufacturer of AC test and diagnosis systems for more than 25 years.

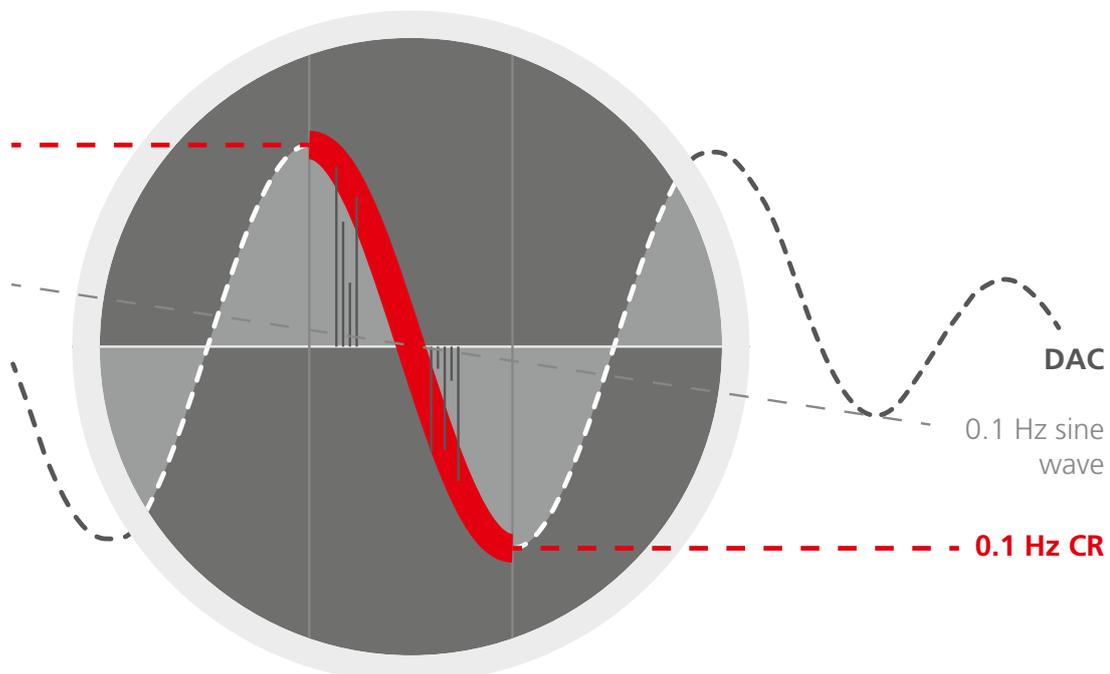
For the first time, our latest development – the 50 Hz Slope Technology – enables PD (partial discharge) diagnosis with our powerful VLF-CR technology (Very Low Frequency) at **a frequency close to mains frequency**.



The 50 Hz Slope Technology conducts the measurement in the slope of the test voltage.

The **PD inception voltage** and the frequency of the PD signals with the 50 Hz Slope Technology are **directly comparable with the 50 Hz mains frequency**.

By using a frequency close to mains frequency during diagnosis, the test voltage can be reduced to a maximum of 1.7 U_o. This protects the cables and the accessories.



Flexibility is our strength

The new 50 Hz slope test systems of the TDS NT series are highly versatile in their use.

TDS NT consists of a multifunctional, compact voltage source and an optional PD detector. TDS NT can be used to test cables according to DIN VDE 0276 with VLF-CR.

In addition, a PD diagnosis using the PDC 60 PD detector can be performed with the new 50 Hz Slope Technology.

Alternatively, TDS NT can also be used for PD diagnosis with the proven damped AC test voltage (DAC).

All of this is conducted with a frequency close to mains frequency.

The validity of the quality control when commissioning new systems and when analysing the condition of service aged cable systems can be significantly improved.

Compatibility

All existing type VLF-CR 40 / 60 test systems can be retrofitted with the 50 Hz Slope Technology.



TDS NT system

Patented technology with high testing capacity

The **patented energy recovery principle** used in the 50 Hz Slope Technology makes it possible for us to offer the most powerful test devices on the market, as the energy stored in the cable is recovered during the polarity reversal procedure.

The new test systems with 50 Hz Slope Technology consist of an operating unit and a high-voltage unit. Thanks to their two-part construction, the systems are even more portable and easy to transport.

» easyGO operation

easyGO suggests the next logical operating step and sets all of the important system parameters

» SmartProt reporting

Immediately after the measurement is made, a simple mouse click creates a report with a clearly structured summary of the most important measurement data

The focus of the new technology is on the operator.

The easyGO operating concept of the new generation of SebaKMT diagnosis systems helps you to concentrate on your measuring duties. The intuitive user guidance system takes you through the entire measuring process. The automatic evaluation can be executed at the click of a button thanks to the new evaluation algorithm.

And this is not only possible with plastic cables, now for the first time it is also possible for paper-insulated cables and mixed cable sections.

The proven SebaKMT easyGO principle means less operating steps. The basic settings are made in the simplest manner.



Data transfer and import

Importing cable data from GIS systems and transferring cable sections from the database at the touch of a button.

Measurement data management

Powerful database. Simple to search, browse and manage measurement data. Analyse trends as the basis for condition-based maintenance.

SmartProt reporting

Immediately after the measurement has been taken, the operator can create a report with a clearly structured summary of the most important measurement data with a simple mouse click.



SmartCal calibration

Faster and simpler calibration of the PD measuring system.

OnFly PD mapping

The innovative evaluation algorithm enables the reliable detection and precise location of partial discharges (PD mapping) while the measurement is taking place. This does away with the need for the post processing of measurement data.

Compatibility

All type OWTS M28 or M60 PD measurement systems can be equipped with the new software. Existing measurement data can be transferred simply.