

HIGHVOLT Prüftechnik Dresden GmbH
Marie-Curie-Straße 10
01139 Dresden, Germany
Phone +49 351 8425-700
Fax +49 351 8425-679
E-mail sales@highvolt.de
Website www.highvolt.de



Data Sheet 5.61-8/1¹⁾

Software Package for Capacitor Test, Type HiRES IAS CAP

General

For capacitor testing (shunt-capacitors and series-capacitors) with AC voltage, dividers and measuring equipment are necessary. The HiRES measuring system will be used for comfortable measurements. The HiRES is controlled by the HiRES IAS main software package, whereas the HiRES IAS CAP provides special measurement and evaluation routines.

Software requirements

HiRES IAS CAP is an additional package for the main software IAS (see Data Sheet 5.61-1). All functions of the main module are available.

You will need the HIGHVOLT Control System HiCOS to make use of all the functionality of this application.

Analyzing features

Additionally to the standard evaluation methods the evaluation for Overvoltage Cycle Test (OCT) according to IEC 60871-2:2014 is available.

The following parameters will be evaluated:

- Umax Maximum voltage
- Ustat Stationary voltage
- Ulevel Voltage of level
- Rise Rising cycles
- Max Maximum cycles
- Fall Falling cycles

Evaluated parameters are shown in the results window (typically on the right side of the display).

¹⁾ The prior version of the Data Sheet was 5.66/1.

User interface

HiRES IAS CAP uses the oscilloscope application for recording of the capacitor test. Whereas the left side of the display shows the recorded wave shapes, the right side is provided to set the measuring parameters.

For settings of automatic evaluation use the “EVAL Macro” dialog and use OCT. This evaluation will show rising, maximum and falling cycles.

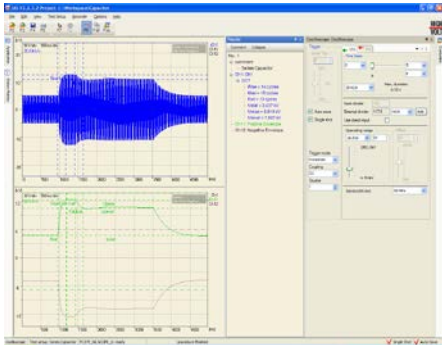


Figure 1: Screenshot of HiRES IAS CAP, measurement

Report generator

- Create your report as MS-Word document
- Select the curves for your report freely or filter them by type of evaluation
- Record preview
- Select the columns for your summary table (Peak voltage, T1, T2, ...)
- Use a MS-Word document as template
- Adjust the no. of pictures per page

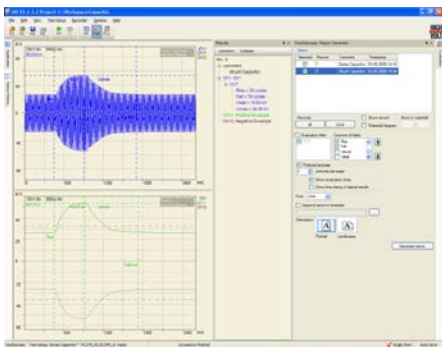


Figure 2: Screenshot of HiRES IAS CAP, report generation

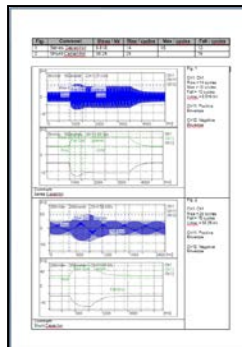
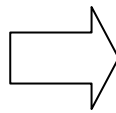


Figure 3: Export view