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Data Sheet 5.61-11/1

# Software Package for Fault Location, Type HiRES IAS LOC

**General**

For fault location on AC and DC high voltage cables and GIL, dividers and measuring equipment are necessary. The HiRES measuring system will be used for comfortable measurements. The HiRES is controlled by a special dialogue and provides special measurement and evaluation routines for breakdown events.

**Software requirements**

HiRES IAS LOC 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 Fault Location (FLOC) is available.

The following parameters will be evaluated:

- Fault location                      Distance to the defect
- Reflection time                     Determined reflection time
- Propagation velocity              Determined or given propagation velocity

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

## User interface

HiRES IAS LOC provides a special dialogue for the settings of a measurement. Whereas the left side of the display shows the recorded wave shapes, the right side is provided to set the measuring parameters. The main parameters for the measurement are determined by the specification of a selected cable but also can be set manually.

The automatic evaluation allows settings for a reference measurement to determine the propagation velocity or, with given propagation velocity the determination of the distance to the defect.

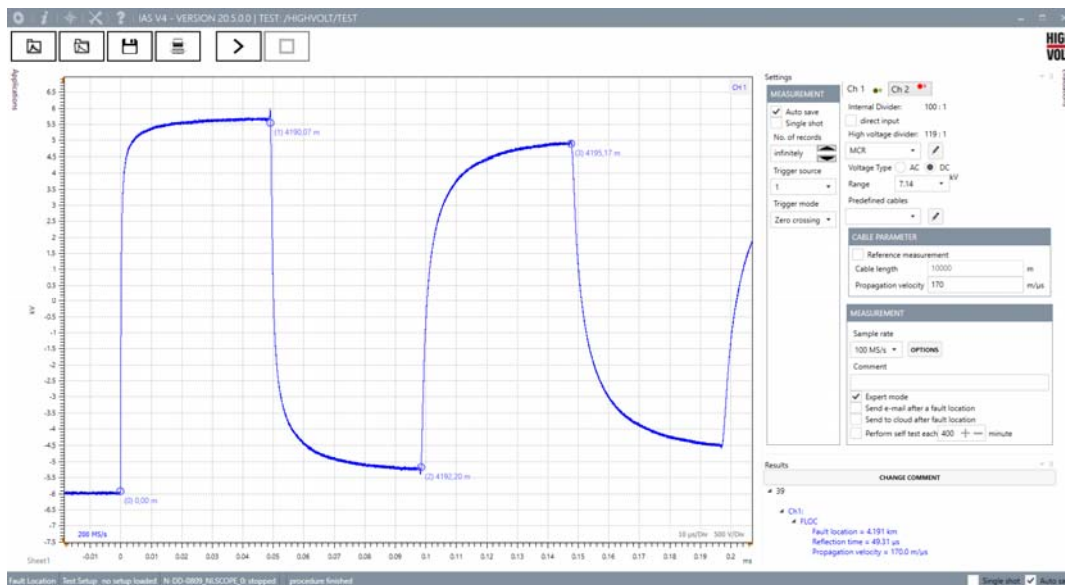


Figure 1: Screenshot of HiRES IAS LOC, measurement