

Easy Check

Easy Check 300 Measurement System

The Easy Check 300 is your entrance card to electrical testing of ferroelectric materials.

This system offers the fundamental characterization features:

- Hysteresis measurement,
- Fatigue measurement and
- Leakage current measurement

in one test system. The measurements are performed automatically.



The Easy Check 300 includes a built-in function generator, a data acquisition board, and a high resolution virtual ground current amplifier with a low noise driving unit to guarantee accurate results.

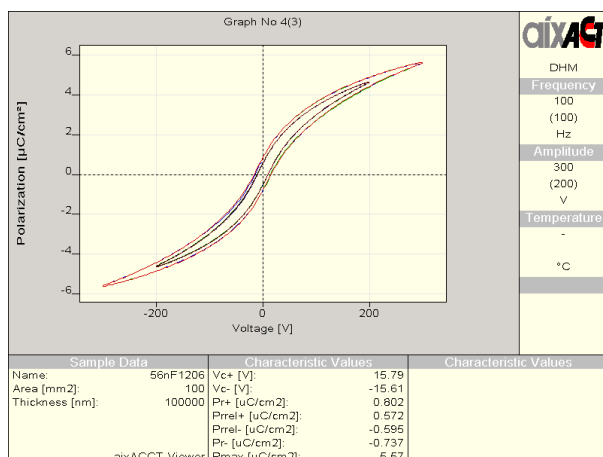
The EASY CHECK 300 comprises a built-in computer!

A Windows XP / 2000 based graphical user interface ensures easy access to all operations.

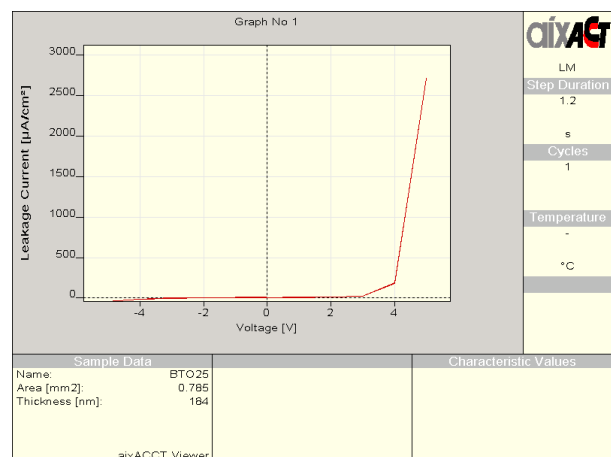
The recorded data can be exported to data presentation programmes in ASCII format.

Single measurements can be transferred into reports by *cut* and *paste*.

Examples of measurement results are given below.



Hysteresis recorded on BaTiO₃



Leakage current measurement on BaTiO₃

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■ Features / Specifications

Computer hard- and software:

- IBM PC compatible computer
- VGA graphical interface
- USB port
- 40 GB hard disk or larger
- 128 MB RAM
- Operating system Windows XP / 2000
- aixACCT's sophisticated and highly flexible ferroelectric test software

Driving unit:

- Voltage range ± 12 V; option ± 125 V
(optional with external amplifier up to 10.000 V)
- Output impedance 50 Ω
- Maximum excitation frequency (load dependent) 250 Hz
- Maximum capacitive load (freq. dependent) 1 μ F
- Steady state output current ± 50 mA

Current amplifier:

- Virtual ground
- Current range 1 nA - 1 A

Dimensions:

- Height 100 mm, Width 480 mm, Depth 530 mm
- Weight 10 kg