atv
AutomatisierungsTechnik Voigt GmbH

HV ISOLOG

Isolation data logger for long term testing

FEATURES & BENEFITS

- Increase statistical significance by measuring up to 480 channels per system
- Oven independent with own temperature sensor
- High accurate isolation measurements up to 10 TΩ
- Intuitive GUI
- Data export for offline analysis in excel and CSV format
- VdL compliant test setup

The ISOLOG system allows isolation measurements at up to 480 channels in 12 groups by 40 DUT's each. The groups have a maximum voltage from 100 V to 1000 V.

Alreading during data sampling, trends and failing structures can be monitored and analyzed. With the integrated temperature and humidity sensor synchronous measurements are possible.

This measurement system is ideal to make qualitative aging prediction in between of PCB tracks.

Technical data

Voltage sources

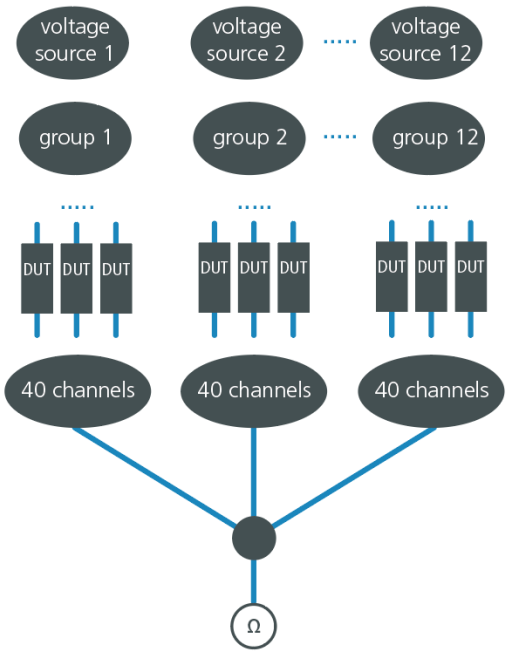
Stress voltage	100 V to 1000 V
Number of voltage channels	12

Resistance measurements

Number of channels per group	40
Maximum groups	12
Maximum resistance	10 Ω

Rear view

DUT channel interface



Cable interface

2x D-SUB 50 per group

Auxiliary sensors

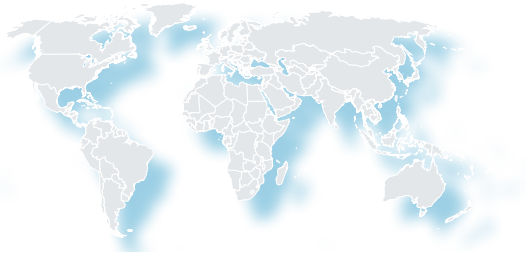
Temperature sensors	1 PT100 (4 wire) per group
Humidity sensors	1 per group 0...10 V analog input

Data export

Format	Excel and CSV with header information of measurement conditions

Facility requirements

Power	110 V-230 V 50 Hz 380 VA
Ethernet	100 Mbit RJ45
Dimensions 19" Rack	WxHxD 520 mm x 286 mm x 400 mm



AutomatisierungsTechnik Voigt GmbH
Heilbronner Straße 17
01189 Dresden

phone: +49 351 2138640
fax: +49 351 2138650
email: atv@atv-systems.de