RESLOG 120/180
Resistance data logger for temperature cycle testing

FEATURES & BENEFITS

- Faster to measurement results by online monitoring during temperature cycling

- Increase statistical significance by measuring 120/180 channels in parallel

- Oven independent with own temperature sensor

- High accurate resistance measurements

- Intuitive GUI

- Data export for offline analysis

- VdL compliant test setup

The RESLOG system allows resistance measurements at up to 120 or 180 channels during temperature cycle reliability stress tests of printed circuit boards (PCB) and smilar low resistance devices.

Alreading during data sampling, trends and failing structures can be seen and analyzed.

With the integrated temperature sensor, RESLOG automatically detects cold and warm phases and synchronizes measurements. This measurement system is ideal to make qualitative aging prediction of PCB tracks.

Technical data

Current source

Maximum current	3 A (RESLOG 120), 2 A (RESLOG 180)
Current accuracy @max	0.05 % + 3.5 mA

## Voltage measurements

Number of channels	120 (RESLOG 120), 180 (RESLOG 180)
Maximum voltage range	6 V
Voltage measurement resolution / accuracy	
@ 100 mV	100 nV /0.015 % + 150 µV
@ 1 V	1 µV /0.015 % + 200 µV
@ 6 V	10 µV /0.015 % + 1 mV

DUT characterization

Resistance resolution (typ.)	1 µΩ (@ 2 A test current)
Resistance measurement accuracy (typ.[2])	10 µΩ (@ 2 A test current, 100 mV range)

Resistor channel interface

4 wire screw terminals
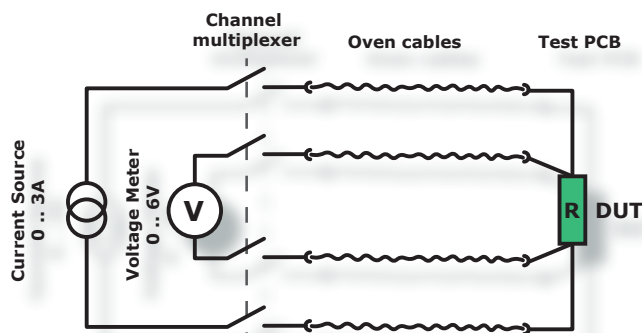
Temperature sensor

Supported sensors	1 or 2 PT100 (4 wire)[3]

Data export

Format	CSV with header information of measurement conditions

Dimensions

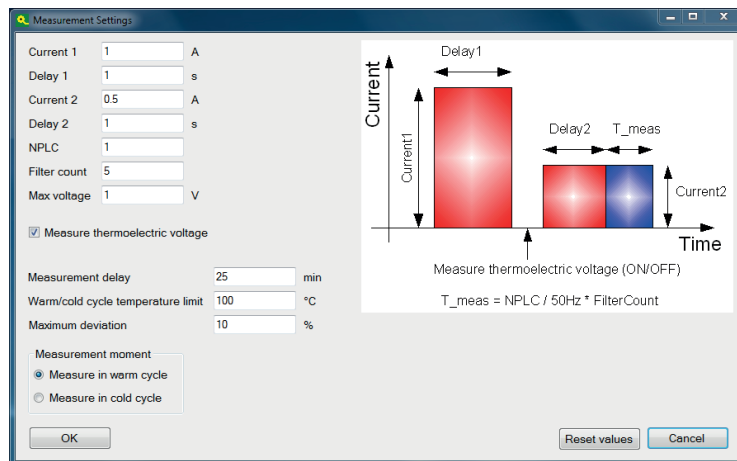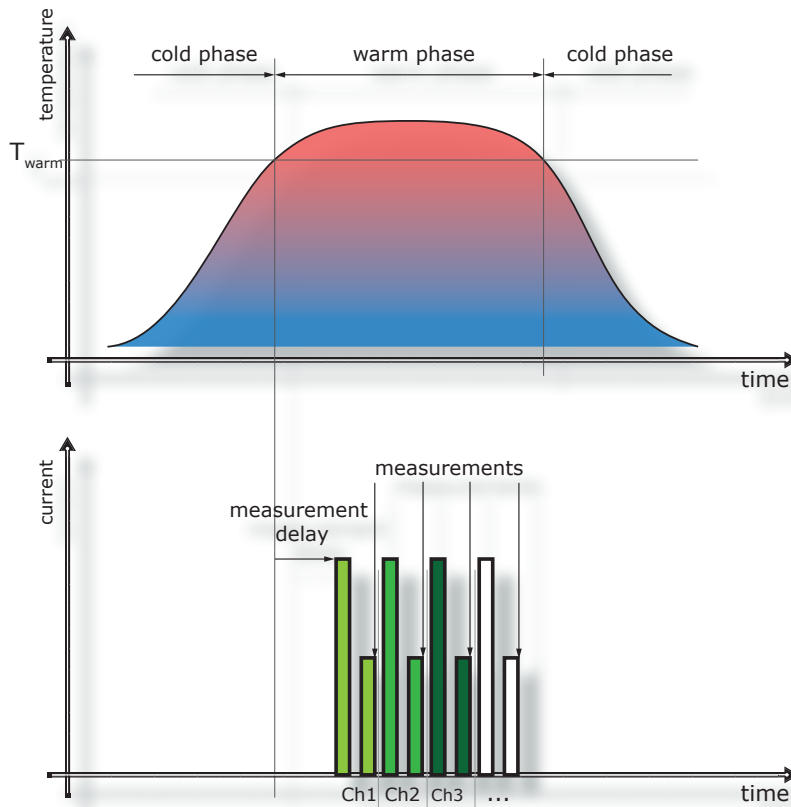|	
Stand alone version	WxHxD 483 mm x 210 mm x 600 mm
19" rack version	WxHxD 520 mm x 300 mm x 600 mm

Facility requirements

Power	110 V-240 V 50/60 Hz 380 VA
Ethernet	100 Mbit RJ45
Computer	Windows XP / 7 (German & English version)

Measurement settings