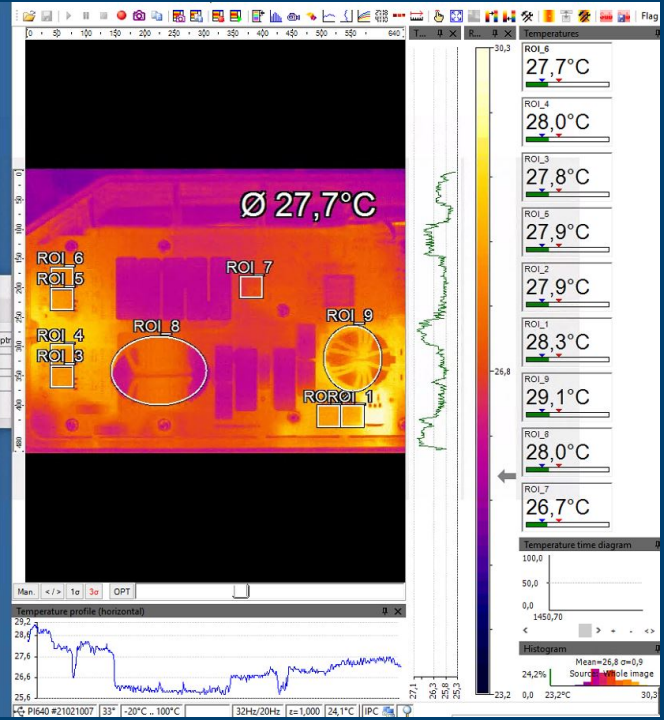




Sichtfehler	el. Fehler	defekt	i.O.
0	10	0	0
Tu	To	mm	
15,0 °C	45,0 °C	0,0 °C	0,0 °C
15,0 °C	45,0 °C	0,0 °C	0,0 °C
0	15	0	0
4,500 A	5,500 A	4,674 A	
4,500 A	5,500 A	4,730 A	
4,500 A	5,500 A	4,644 A	
4,500 A	5,500 A	4,759 A	
0	999	1	
0,0 °C	90,0 °C	0,0 °C	0,0 °C
0,0 °C	90,0 °C	0,0 °C	0,0 °C
T_2_aktuell	-iO	48,0 °C	0,0 °C
T_3_aktuell	-iO	39,3 °C	0,0 °C
T_4_aktuell	-iO	38,5 °C	0,0 °C
T_5_aktuell	-iO	38,1 °C	0,0 °C
T_6_aktuell	-iO	39,0 °C	0,0 °C
T_7_aktuell	-iO	27,2 °C	0,0 °C
T_8_aktuell	-iO	27,2 °C	0,0 °C
T_9_aktuell	-iO	33,2 °C	0,0 °C
all temperatures ok	-iO	0	15
timer	-iO	29605 ms	4,500 A
switch off heater, get complete result	-iO	0	5,500 A
IGBT's ausschalten	-iO	1	999
status OC stop measurement	-iO	1	0,0 °C
T_2_aktuell	-iO	48,0 °C	0,0 °C
T_3_aktuell	-iO	38,3 °C	0,0 °C
T_4_aktuell	-iO	38,5 °C	0,0 °C
T_5_aktuell	-iO	38,1 °C	0,0 °C
T_6_aktuell	-iO	39,0 °C	0,0 °C
T_7_aktuell	-iO	27,2 °C	0,0 °C
T_8_aktuell	-iO	29,2 °C	0,0 °C
T_9_aktuell	-iO	33,2 °C	0,0 °C
all temperatures ok	-iO	0	0
timer	-iO	29605 ms	0 ms
switch off heater, get complete result	-iO	0	30000 ms
IGBT's ausschalten	-iO	0	0
status OC stop measurement	-iO	0	999
T_1_end	-iO	45,6 °C	0,0 °C
T_2_end	-iO	48,0 °C	0,0 °C
T_3_end	-iO	39,3 °C	0,0 °C
T_4_end	-iO	38,5 °C	0,0 °C
T_5_end	-iO	38,1 °C	0,0 °C
T_6_end	-iO	39,0 °C	0,0 °C
T_7_end	-iO	27,2 °C	0,0 °C
T_8_end	-iO	29,2 °C	0,0 °C
T_9_end	-iO	33,2 °C	0,0 °C
T_1	-iO	19,5 °C	18,0 °C
T_2	-iO	21,9 °C	18,0 °C
T_3	-iO	12,5 °C	10,0 °C



EOL test system for recording the thermal IGBT connection for water heaters

Product description

With the help of the system, various electronic components can be energized and checked for heating during the test process. Although the thermal connection of the IGBTs of water heaters was tested for this, it would theoretically be possible to test other electronic components with it.

Field of application

Quality control, in-line testing in production/manufacturing



EOL test system for recording the thermal IGBT connection for water heaters

Technical data

Test bench/device

- Control technology in a separate control cabinet (control & measurement of the test object)
- Thermal camera
- Variant-dependent contacts for circuit board and device connection

Software

- TST-WIN test system
 - All settings and processes are menu-driven and freely programmable
 - Extensive options for controlling the process and the measurements
 - Visualization of the test results using a table of measured values and an additional graphic display
 - Visualization of the test process (test steps)
 - Visualization of thermal images on-line

Scope of testing

- Incoming inspection
- Temperature history measurement
- Dynamic thermal image recording with temperature progression in the various hotspots
- Software evaluation of temperature rise and absolute values, resulting in calculation OK/NOT OK.
- Thermal connection separately for each hotspot
- Short circuit test
- On-Line Temperature Monitoring (Stop Limits Power Shutdown)

Input-/visualisation units

- Touchscreen

Dimensions/Transport

- 650x2100x860 mm (WxHxD)
- Weight approx. 250 kg

Test time

- 30 sec

Exemplary device type

- 114 8236