

CALIBRATION CERTIFICATE

No: 10050026/001

Datalogger: MS5D
Serial number: 10050026

Calibration standards (valid to):

Pt1002: Simulator Pt100 (19.2.2011)
Rb001: Multimeter Agilent 3458A, ser. n. US28032831 with Rb001 (26.11.2011)
PE125: Multimeter Agilent 34401 ser.n.: MY4101751 (23.11.2010)

All standards are traceable to ČMI (Czech Metrology Institute, a signatory to the arrangement CIPM MRA, see www.bipm.org) or in terms of relative humidity to DKD accredited laboratory Testo Germany.

Process of calibration: Direct comparison

Ambient temperature: $(23 \pm 5)^\circ\text{C}$

Results of measurement:

Input channel No.: 1
Input: K

Standard	Device	Uncertainty	Uses standard	Note
-100.0 °C	-100.03 °C	0.11 °C	Pt1002	
0.00 °C	-0.01 °C	0.11 °C	Pt1002	
300.00 °C	299.97 °C	0.11 °C	Pt1002	
600.00 °C	599.98 °C	0.11 °C	Pt1002	

Input channel No.: 2
Input: K

Standard	Device	Uncertainty	Uses standard	Note
-100.0 °C	-100.05 °C	0.11 °C	Pt1002	
0.00 °C	-0.03 °C	0.11 °C	Pt1002	
300.00 °C	299.93 °C	0.11 °C	Pt1002	
600.00 °C	599.89 °C	0.11 °C	Pt1002	

Input channel No.: 3

Input: K

Standard	Device	Uncertainty	Uses standard	Note
-100.0 °C	-100.03 °C	0.11 °C	Pt1002	
0.00 °C	-0.02 °C	0.11 °C	Pt1002	
300.00 °C	299.95 °C	0.11 °C	Pt1002	
600.00 °C	599.93 °C	0.11 °C	Pt1002	

Input channel No.: 4

Input: K

Standard	Device	Uncertainty	Uses standard	Note
-100.0 °C	-100.05 °C	0.11 °C	Pt1002	
0.00 °C	-0.01 °C	0.11 °C	Pt1002	
300.00 °C	299.98 °C	0.11 °C	Pt1002	
600.00 °C	599.93 °C	0.11 °C	Pt1002	

Input channel No.: 5

Input: K

Standard	Device	Uncertainty	Uses standard	Note
-100.0 °C	-100.03 °C	0.11 °C	Pt1002	
0.00 °C	-0.00 °C	0.11 °C	Pt1002	
300.00 °C	299.99 °C	0.11 °C	Pt1002	
600.00 °C	600.03 °C	0.11 °C	Pt1002	

Input channel No.: 6

Input: K

Standard	Device	Uncertainty	Uses standard	Note
-100.0 °C	-100.03 °C	0.11 °C	Pt1002	
0.00 °C	-0.00 °C	0.11 °C	Pt1002	
300.00 °C	299.99 °C	0.11 °C	Pt1002	
600.00 °C	600.02 °C	0.11 °C	Pt1002	

Input channel No.: 7

Input: B2G

Standard	Device	Uncertainty	Uses standard	Note
2.5085 A	2.508 A	2 mA	Rb001	
5.0075 A	5.007 A	3 mA	Rb001	

Input channel No.: 8
Input: B2G

Standard	Device	Uncertainty	Uses standard	Note
2.5044 A	2.503 A	2 mA	Rb001	
5.0045 A	5.006 A	3 mA	Rb001	

Input channel No.: 9
Input: B2G

Standard	Device	Uncertainty	Uses standard	Note
2.5085 A	2.508 A	2 mA	Rb001	
5.0015 A	5.003 A	3 mA	Rb001	

Input channel No.: 10
Input: B2G

Standard	Device	Uncertainty	Uses standard	Note
2.5062 A	2.505 A	2 mA	Rb001	
5.0055 A	5.007 A	3 mA	Rb001	

Input channel No.: 11
Input: A0

Standard	Device	Uncertainty	Uses standard	Note
4.0000 mA	4.000 mA	2 uA	PE125	
12.000 mA	12.000 mA	4 uA	PE125	
20.000 mA	20.001 mA	5 uA	PE125	

Input channel No.: 12
Input: D4G

Standard	Device	Uncertainty	Uses standard	Note
35.208 V	35.21 V	0.05 V	PE125	
75.015 V	75.02 V	0.05 V	PE125	

The expanded uncertainty of measurement corresponding to the measurement results is stated as the standard uncertainty of measurement multiplied by the coverage factor $k=2$. Usually the true value is located in the corresponding interval with probability of approximately 95%. This was determined in accordance with EA4/02.

Date of calibration: 29.03.2010

Calibrated by: Josef Šerý

Approved: Milan Jurajda