

CALIBRATION CERTIFICATE

No: 07030007/001

Datalogger: MS3+
Serial number: 07030007

Calibration standards (valid to):

PE125: Multimeter Agilent 34401 ser.n.: MY4101751 (3.11.2007)
PE133: Thermometer F200 ser.n.: 008408/01+J0295A-1-1 (22.3.2008)

All standards are traceable to ČMI (Czech Metrology Institute) or in terms of relative humidity to DKD Testo (Deutscher Kalibrierdienst).

Process of calibration: Direct comparison

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

Results of measurement:

Input channel No.: 1
Input module: A0

Standard	Device	Uncertainty	Uses standard	Note
4.0000 mA	4.001 mA	2 uA	PE125	
11.999 mA	12.001 mA	4 uA	PE125	
20.000 mA	20.000 mA	5 uA	PE125	
23.52 °C	23.79 °C	0.18 °C	PE133	ser.n. 07940056

Input channel No.: 2
Input module: A0

Standard	Device	Uncertainty	Uses standard	Note
3.9999 mA	3.999 mA	2 uA	PE125	
11.999 mA	11.999 mA	4 uA	PE125	
20.000 mA	20.000 mA	5 uA	PE125	
23.52 °C	23.74 °C	0.18 °C	PE133	ser.n. 07940057

Input channel No.: 3
Input module: A0

Standard	Device	Uncertainty	Uses standard	Note
4.0002 mA	4.000	mA 2 uA	PE125	
11.999 mA	12.000	mA 4 uA	PE125	
20.000 mA	20.000	mA 5 uA	PE125	
23.52 °C	23.72	°C 0.18 °C	PE133	ser.n. 07940058

Input channel No.: 4
Input module: A0

Standard	Device	Uncertainty	Uses standard	Note
3.9998 mA	4.000	mA 2 uA	PE125	
11.999 mA	11.999	mA 4 uA	PE125	
20.000 mA	20.000	mA 5 uA	PE125	
23.52 °C	23.72	°C 0.18 °C	PE133	ser.n. 07940059

Input channel No.: 5
Input module: A0

Standard	Device	Uncertainty	Uses standard	Note
3.9998 mA	4.000	mA 2 uA	PE125	
12.000 mA	12.000	mA 4 uA	PE125	
20.000 mA	19.999	mA 5 uA	PE125	
23.52 °C	23.72	°C 0.18 °C	PE133	ser.n. 07940060

Input channel No.: 6
Input module: A0

Standard	Device	Uncertainty	Uses standard	Note
3.9998 mA	4.000	mA 2 uA	PE125	
12.000 mA	12.000	mA 4 uA	PE125	
20.000 mA	19.999	mA 5 uA	PE125	
23.52 °C	23.82	°C 0.18 °C	PE133	ser.n. 07940061

Input channel No.: 7
Input module: A0

Standard	Device	Uncertainty	Uses standard	Note
3.9998 mA	4.000	mA 2 uA	PE125	
12.000 mA	12.000	mA 4 uA	PE125	
20.000 mA	19.999	mA 5 uA	PE125	
23.52 °C	23.68	°C 0.18 °C	PE133	ser.n. 07940062

Input channel No.: 8
Input module: A0

Standard	Device	Uncertainty	Uses standard	Note
3.9998 mA	3.999	mA 2 uA	PE125	
11.999 mA	12.001	mA 4 uA	PE125	
20.000 mA	20.000	mA 5 uA	PE125	
23.52 °C	23.72	°C 0.18 °C	PE133	ser.n. 07940063

Input channel No.: 9
Input module: A0

Standard	Device	Uncertainty	Uses standard	Note
3.9998 mA	4.000	mA 2 uA	PE125	
11.999 mA	12.000	mA 4 uA	PE125	
20.000 mA	20.000	mA 5 uA	PE125	
23.55 °C	23.75	°C 0.18 °C	PE133	ser.n. 07940064

Input channel No.: 10
Input module: A0

Standard	Device	Uncertainty	Uses standard	Note
4.0002 mA	3.999	mA 2 uA	PE125	
11.999 mA	11.999	mA 4 uA	PE125	
20.000 mA	20.001	mA 5 uA	PE125	
23.55 °C	23.81	°C 0.18 °C	PE133	ser.n. 07940065

Input channel No.: 11
Input module: A0

Standard	Device	Uncertainty	Uses standard	Note
3.9998 mA	4.000	mA 2 uA	PE125	
11.999 mA	12.000	mA 4 uA	PE125	
20.000 mA	19.999	mA 5 uA	PE125	
23.55 °C	23.65	°C 0.18 °C	PE133	ser.n. 07940066

Input channel No.: 12
Input module: A0

Standard	Device	Uncertainty	Uses standard	Note
3.9997 mA	3.999	mA 2 uA	PE125	
11.999 mA	11.999	mA 4 uA	PE125	
20.000 mA	19.999	mA 5 uA	PE125	
23.55 °C	23.77	°C 0.18 °C	PE133	ser.n. 07940067

Input channel No.: 13
Input module: A0

Standard	Device	Uncertainty	Uses standard	Note
4.0001 mA	3.999	mA 2 uA	PE125	
11.999 mA	11.999	mA 4 uA	PE125	
20.000 mA	20.000	mA 5 uA	PE125	
23.55 °C	23.66	°C 0.18 °C	PE133	ser.n. 07940068

Input channel No.: 14
Input module: A0

Standard	Device	Uncertainty	Uses standard	Note
4.0001 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	
23.55 °C	23.66	°C 0.18 °C	PE133	ser.n. 07940069

Input channel No.: 15
Input module: A0

Standard	Device	Uncertainty	Uses standard	Note
4.0000 mA	4.000	mA 2 uA	PE125	
11.999 mA	11.999	mA 4 uA	PE125	
20.000 mA	20.000	mA 5 uA	PE125	
23.55 °C	23.72	°C 0.18 °C	PE133	ser.n. 07940070

Input channel No.: 16
Input module: A0

Standard	Device	Uncertainty	Uses standard	Note
4.0000 mA	4.000	mA 2 uA	PE125	
12.000 mA	12.001	mA 4 uA	PE125	
20.000 mA	20.001	mA 5 uA	PE125	
23.55 °C	23.77	°C 0.18 °C	PE133	ser.n. 07940071

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: 24.01.2007

Calibrated by: Martin Michut

Approved: Milan Jurajda