



Certification of Calibration

Xiamen Madincos Automation Co., Ltd

Add: 3rd Floor, Kechuang Building, No.321 Torch Road, Torch Park,
Torch High-tech Zone, Xiamen, China 361006.

Tel: +86-592-5720021

URL: www.madincos.com

Date of Issue: 11 Oct. 2025
Date of Calibration: 11 Oct. 2025
Certificate Number: 20251011002

Page 1 of 2
Approved Signatory
Mr FAROU CHEN

Description	Paperless Recorder
Model No.	MPR500SG-16-C3-8NOC-8T-N
Serial No.:	20251011002

Accreditations and Procedure:

This following measurement were carried output using working standards which are periodically verified and are traceable to National Standard where these exit

Measurement Results

Input Type	K	Range (°C)	-50-1300	Standard Source	UJ33D	Allowed Error (°C)	± 1.3
No.	Testing point	Standard value (mV)	Measurement Valu (°C)	Error (°C)			
1	-50	-1.889	-50.3	-0.3			
2	0	0.000	0	0			
3	100	4.096	100.1	+0.1			
4	500	20.644	499.8	-0.2			
5	900	37.326	900.1	+0.1			
6	1300	52.41	1300.1	+0.1			

Input type	S	Range (°C)	-50-1700	Standard source	UJ33D	Allowed Error (°C)	± 1.7
No.	Testing point	Standard value (mV)	Measurement Value (°C)	Error (°C)			
1	-50	-0.236	-50.6	-0.6			
2	0	0.000	-0.3	-0.3			
3	100	0.646	99.6	-0.4			
4	500	4.233	499.6	-0.4			
5	1000	9.587	999.7	-0.7			
6	1700	17.946	1700.1	+0.1			

Input type	E	Range (°C)	0-800	Standard source	UJ33D	Allowed Error (°C)	± 0.8
No.	Testing point	Standard value (mV)	Measurement Value (°C)	Error (°C)			
1	0	0.000	-0.2	-0.2			
2	100	6.319	99.8	-0.2			
3	300	21.036	300	0			

4	500	37.005	500.1	+0.1
5	800	61.017	800.1	+0.1

Input type	0-5V	Range (°C)	0-5000	Standard source	UJ33D	Allowed Error (°C)	± 2.5
No.	Testing point	Standard value (V)	Measurement Value (°C)	Error (°C)			
1	0	0.000	0	0			
2	100	0.100	99	-1			
3	2500	2.500	2501	+1			
4	4900	4.900	4901	+1			

Input type	CU50	Range (°C)	-50-150	Standard Source	ZX74	Allowed Error (°C)	± 0.2
No.	Testing point	Standard value (Ω)	Measurement Value (°C)	Error (°C)			
1	-50	39.243	-50.2	-0.2			
2	0	50.000	-0.2	-0.2			
3	50	60.704	50.1	+0.1			
4	100	71.401	100.2	+0.2			
5	150	82.138	150.2	+0.2			

Input type	PT100	Range (°C)	-200-600	Standard Source	ZX74	Allowed Error (°C)	± 0.6
No.	Testing point	Standard value (Ω)	Measurement Value (°C)	Error (°C)			
1	-200	18.52	-200.4	-0.4			
2	-100	60.26	-100.3	-0.3			
3	0	100.00	-0.1	-0.1			
4	100	138.51	99.9	-0.1			
5	300	212.05	299.9	-0.1			
6	600	313.71	599.9	-0.1			

Input type	B	T	J	N	Cu100	1-5V	4-20mA	0-10mA
Range	300-1800	-200-350	0-1000	0-1300	-50-150	1000-5000	400-2000	20-1000
Allowed Error	± 1.8	± 0.3	± 1.0	± 1.3	± 0.1	± 2.0	± 2.0	± 1.0
Testing Point	1500°C	300°C	700°C	900°C	110°C	3400	1360	600
Standard Value	10.099mV	14.862mV	39.132mV	32.371mV	147.087Ω	3.400V	13.6mA	6mA
Measure Value	1499.6	299.7	699.6	900.1	110.2	3401	1360	599

Calibrated by : Mr ZhiBin Su
 Xiamen Madincos Automation Co., Ltd

Mr ZhiBin Su

Date: 11 Oct. 2025

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