

Sunrise Instruments Calibration Report

Address: 2nd Floor Building B2 19#Keyuan Xishi Road Nanning Guangxi Province China 530007
Phone: +86 771-389-9499 Fax: +86 771-389-9497
Email: sri@srisensor.com



Calibration No.	SRI-OR-E005314	Cal Date	2026/1/22
Model No.	M2213A9	Serial No.	40179
Technician	Huang zeng ying	Temp(C)/Hum.(%)	24/67
Customer		Excitation(V)	5.0000
Description	TORQUE D60mm 100Nm	Cable Length	45mm
Comments	SHCS M5:8N.m SHCS M2.5:1N.m		

Voltage Calibration

Bridge	Capacity	Zero Offset	Nonlinearity	Hysteresis	Output @ Capacity	Sensitivity
	Nm	mV/V	%FS	%FS	mV/V	mV/V/EU
MZ	-100	-0.1032	0.39	0.33	-1.6193	1.6193E-02

产品型号	出厂SN	零点mV	灵敏度mV/Nm	折算灵敏度mV/V/Nm	发货日期	测试问题记录	备注
R75	40179	-0.52	0.0810	0.0162	2026/1/28		

Wire Color Codes

FUNCTION

+EXC
+SIG
-EXC
-SIG
Sensor ID
ID Return

Reference Load Cell

Manufacturer	Model Type	Model No.	Serial No.	Cal Due Date
SUNRISE	Golden Standard	SRI_2000N-1	30729	2026.05.11
Traceable to the National Institute of Metrology China (NIMC)				

This calibration follows the calibration document SRI-LAB-BZ-001:2024 which defined in the Sunrise Instruments Lab

The load cell calibration system consists of a 300KN load frame CMT5305 made by SANS Testing Machine Co., Golden reference load cell by Interface. Data acquisition system by National Instruments.

Calibrated by Huang zeng ying Approved by Andy

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CROSSTALK

<u>Bridge</u>	<u>Load</u>	<u>MZ</u>
	N/Nm	% FS
FX	-250	0.46
FY	250	0.45
FZ	-250	0.42
MX	50	0.88
MY	-50	0.87
MZ	-100	0.00

Bridge to Transducer body resistance greater than 5G Ohm when measured with 50V excitation

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