

Sunrise Instruments Calibration Report

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Calibration No.	SRI-OR-G002084	Cal Date	2026/1/25
Model No.	M2213A9	Serial No.	40169
Technician	Huang zeng ying	Temp(C)/Hum.(%)	18.9/66.2
Customer		Excitation(V)	5.0000
Description	TORQUE D60mm 100Nm	Cable Length	45mm
Comments	SHCS M5:8N.m SHCS M2.5:1N.m		

Voltage Calibration

<u>Bridge</u>	<u>Capacity</u>	<u>Zero Offset</u>	<u>Nonlinearity</u>	<u>Hysteresis</u>	<u>Output @ Capacity</u>	<u>Sensitivity</u>
	Nm	mV/V	%FS	%FS	mV/V	mV/V/EU
MZ	-100	-0.0265	0.28	0.28	-1.6017	1.6017E-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	40169	-0.13	0.0801	0.0160	2026/1/28		

Wire Color Codes

FUNCTION

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

Reference Load Cell

<u>Manufacturer</u>	<u>Model Type</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Cal Due Date</u>
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 SRILAB-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	0.14
FY	250	0.12
FZ	-250	0.18
MX	50	0.15
MY	50	0.13
MZ	-100	0.00

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

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