

Sunrise Instruments Calibration Report

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Calibration No.	SRI-OR-H001368	Cal Date	2025/9/26
Model No.	M2213H2	Serial No.	27341
Technician	Wei Jing Xian	Temp(C)/Hum.(%).	23/69
Customer	遨博 (江苏) 机器人有限公司	Excitation(V)	5.0000
Description	TORQUE D107mm 170Nm	Cable Length	2m
Comments	SHCS M3:3N.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	-170	0.0046	0.06	0.17	-1.2639	7.4350E-03

Wire Color Codes

<u>FUNCTION</u>	<u>Mz</u>
+EXC	red
+SIG	green
-EXC	black
-SIG	brown
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	2026/6/11
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

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

Approved by

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CROSSTALK

<u>Bridge</u>	<u>Load</u>	<u>MZ</u>
	N/Nm	% FS
FX	-500	0.03
FY	500	0.04
FZ	-500	0.03
MX	40	0.03
MY	40	0.02
MZ	-170	0.00

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

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