

Sunrise Instruments Calibration Report

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Calibration No.	SRI-OR-H001438	Cal Date	2025/10/2
Model No.	M2213H3	Serial No.	35142
Technician	Wang Zhen	Temp(C)/Hum.(%)	25/65
Customer	遨博 (江苏) 机器人有限公司	Excitation(V)	4.9970
Description	TORQUE D96mm 80Nm	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	-80	-0.0032	0.02	0.04	-1.2869	1.6086E-02

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 SRILAB-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	-300	0.16
FY	300	0.14
FZ	-150	0.08
MX	13	0.09
MY	13	0.07
MZ	-80	0.00

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

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