

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-H001377	Cal Date	2025/9/26
Model No.	M2213H3	Serial No.	35141
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 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	-0.0064	0.04	0.07	-1.2471	1.5589E-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 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	-300	0.18
FY	300	0.18
FZ	-150	0.09
MX	13	0.08
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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