

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-H001541	Cal Date	2025/10/13
Model No.	M2213H3	Serial No.	35138
Technician	Wei Jing Xian	Temp(C)/Hum.(%)	25/67
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	-0.0140	0.03	0.05	-1.2718	1.5897E-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

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-H001541	Cal Date	2025/10/13
Model No.	M2213H3	Serial No.	35138
Technician	Wei Jing Xian	Temp(C)/Hum.(%).	25/67
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		

CROSSTALK

<u>Bridge</u>	<u>Load</u>	<u>MZ</u>
	N/Nm	% FS
FX	0	0.00
FY	300	0.28
FZ	-150	0.12
MX	13	0.11
MY	13	0.08
MZ	-80	0.00

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

Page 2 of 2

_____blank below_____