Sunrise Instruments Calibration Report

Address:2nd Floor Building B2 19#Keyuan Xishi Road Nanning Guangxi Province China 530007
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Calibration No.	SRi-OR-H002007	Cal Date	2025/11/27
Model No.	M4344A	Serial No.	26574
Technician	Wei Jing Xian	Temp(C)/Hum.(%).	20/50
Customer		Excitation(V)	5.00
Description	6 AXIS FORCE SENSOR	Cable Length	
Comments	搭配M8128C7 SN7836		

Voltage Calibration

Bridge	Capacity	Zero Offset	Nonlinearity	Hysteresis	Output @ Capacity	Sensitivity
	N/Nm	V	%FS	%FS	V	V/EU
FX	-400	-0.0272	0.05	0.11	-5.1222	1.2805E-02
FY	-400	-0.0252	0.06	0.08	-5.1039	1.2760E-02
FZ	-400	0.0503	0.03	0.08	-5.1440	1.2860E-02
MX	50	0.0088	0.03	0.06	5.1944	1.0389E-01
MY	-50	-0.2255	0.05	0.07	-5.2817	1.0563E-01
MZ	50	-0.0452	0.10	0.12	5.1760	1.0352E-01

Wire Color Codes

FUNCTION	CONNECTOR
+EXC	
+SIG	
-EXC	
-SIG	
Sensor ID	
ID Return	

Reference Load Cell

Manufacturer	Model Type	Model No.	Serial No.	Cal Due Date
SUNRISE	Golden Standard	SRI_2000N	123	2026.09.01

Traceable to the National Institute of Metrology China (NIMC)

This calibration folllows 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 Approved by

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Description	6 AXIS FORCE SENSOR	Cable Length	
Comments			

CROSSTALK

Bridge	Load	FX	FY	FZ	MX	MY	MZ
	N/Nm	% FS	% FS	% FS	% FS	% FS	% FS
FX	-400	0.00	0.24	0.17	0.28	0.28	0.36
FY	-400	0.30	0.00	0.09	0.38	0.03	0.28
FZ	-400	0.14	0.17	0.00	0.49	0.25	0.37
MX	50	0.87	1.90	1.34	0.00	0.41	0.25
MY	-50	2.04	1.31	0.06	0.38	0.00	1.13
MZ	50	0.09	0.32	0.18	0.22	0.22	0.00

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

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