

Sunrise Instruments Calibration Report

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Calibration No.	SRI-OR-B001842	Cal Date	2025/2/17
Model No.	S470D	Serial No.	29132
Technician	Wei Jing Xian	Temp(C)/Hum.(%).	22/60
Customer		Excitation(V)	9.83
Description	6 axis lumbar spine LC	Cable Length	
Comments			

Voltage Calibration

Bridge	Capacity	Zero Offset	Nonlinearity	Hysteresis	Output @ Capacity	Sensitivity
	N/Nm	mV/V	%FS	%FS	mV/V	mV/V/EU
FX	15500	-0.0199	0.03	0.06	2.5018	1.6140E-04
FY	15500	0.0035	0.05	0.07	2.5134	1.6216E-04
FZ	-15500	-0.0104	0.08	0.19	-1.0593	6.8339E-05
MX	565	0.0057	0.06	0.14	0.8970	1.5876E-03
MY	-565	0.0069	0.07	0.32	-0.8839	1.5645E-03
MZ	400	0.0060	0.31	0.26	1.1635	2.9088E-03

Wire Color Codes

FUNCTION

+EXC
+SIG
-EXC
-SIG
Sensor ID
ID Return

Reference Load Cell

Manufacturer	Model Type	Model No.	Serial No.	Cal Due Date
SUNRISE	Golden Standard	M3006	549	2025/11/16
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 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 Wei Jing xian Approved by Zhou

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CROSSTALK

<u>Bridge</u>	<u>Load</u>	<u>FX</u>	<u>FY</u>	<u>FZ</u>	<u>MX</u>	<u>MY</u>	<u>MZ</u>
	N/Nm	% FS	% FS	% FS	% FS	% FS	% FS
FX	15500	0.00	0.36	2.66	1.10	0.53	3.43
FY	15500	0.75	0.00	0.58	0.55	0.39	1.19
FZ	-15500	0.01	0.27	0.00	1.39	0.87	0.15
MX	565	0.05	0.03	0.34	0.00	0.29	0.38
MY	-565	0.23	0.06	0.42	1.06	0.00	0.09
MZ	400	0.07	0.42	1.20	1.30	0.31	0.00

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