

Load Cell Central

1-800-LOADCEL

System Calibration Data

Stanford University
Report # DM24535-1

Calibrated
Day/Month/Year
24-Jul-24

Calibration Due
Day/Month/Year
23-Jul-25

Load Cell: Model Number
ESP4-0.6kg

Serial Number
WD024364

Capacity:
600

Indicator / Amplifier: Model Number
DSCUSB

Serial Number
17776119

Count By:
600 x 0.01 G

Performance: Results from Applied Axial Load

Calibration temperature: 71°F
Calibration humidity: 35%

| Test Load Applied, G | Readings: G | |
|-------------------------|----------------------------|-------------|
| | COMPRESSION | |
| | Reading | Error |
| 0.0 | 0.0 | 0.0 |
| 120.0 | 120.0 | 0.0 |
| 240.0 | 240.0 | 0.0 |
| 360.0 | 360.1 | 0.1 |
| 480.0 | 480.1 | 0.1 |
| 600.0 | 600.0 | 0.0 |
| 240.0 | 240.1 | 0.1 |
| 0.0 | 0.0 | 0.0 |
| Bridge: A | COMPRESSION | |
| Output, G | 600.000 | |
| Non-Linearity, % | 0.0167 | |
| Hysteresis, % | 0.0167 | |
| SEB ² , % | 0.0119 | |
| SEB Output, G | 600.100 | |
| Performed By: | APB | Alex Birney |
| Title: | Calibration Lab Technician | |
| | | 24-Jul-24 |

Notes:

1. Static Error Band (SEB): The band of maximum deviations of the ascending and descending calibration points from a best fit straight line through zero output. It includes the effects of non-linearity, hysteresis, and non-return to minimum load.
2. Shunt calibration resistor for tension is placed between - Sense (- Excitation) and - Shunt Cal (- Signal). For compression, resistor is placed between + Sense (+ Excitation) and - Shunt Cal (- Signal).
3. Calibration Equipment

Reference Force standard: DW-100
Reference Force Standard Cal Due Date: 5/17/2024
Certificate Number: 49163-1
Certificate Date: 5/17/2019

4. Results pertain only to load cell system identified above.
 5. This test report shall not be reproduced except in full, without written approval of Load Cell Central.
- LOAD CELL CENTRAL Certifies that the above-listed equipment has been calibrated using standards whose accuracies are traceable to the National Institute of Standards and Technology.

Notes from Calibration Technician

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