

# Certificate of Calibration

**Certificate Number: 0000000000**

**Sensor Info:**

S/N: 000000

Model: LLB250

Item #: FSH01067

Capacity: 100 lb

**Description:** LLB250, 100 lb, Subminiature Load Button, Standard, Material - 17-4 PH S.S., 29 Awg 4 Conductor Spiral Shielded Teflon Cable, 5 ft Long

Calibration Procedure ..... OP1000

## CALIBRATION EQUIPMENT USED

**Digital Multimeter:**

HP Model: Agilent 34401A, S/N: US36135067

**Dead Weight(s):**

20-50 lb, *Traceability No:* 0000.00

This certifies that the following sensor has been calibrated using equipment traceable to NIST. Supporting documentation relative to traceability is on file and is available for examination upon request. This certificate shall not be reproduced except in full, without the written approval of FUTEK

Calibration Technician: ***Angel Mendoza***

Issue Date: 10/9/2014

Re-Calibration Date: One Year After Issue Date

Certificate Number: **0000000000**

**Single Channel Item**

**CALIBRATION DATA**

Test Temp: 74 °F (24 °C)	Relative Humidity: 42 %	Excitation: 4.99 Vdc
Input Resistance: 351 Ω	Output Resistance: 352 Ω	Zero Balance: 0.0306 mV/V

**Compression**

Load (lb)	Output (mV/V)	Non-Lin. Error (% R.O.)
0	0.0000	0.000
20	0.3270	-0.146
40	0.6553	-0.213
60	0.9847	-0.213
80	1.3156	-0.121
100	1.6470	0.000
0	0.0009	

**SHUNT CALIBRATION**

Direction	Shunt Value (KΩ)	Shunt Connection	Output Value (mV/V)	Equivalent Load (lb)
Compression	60.4	(-Exc) & (-S)	1.4543	88