



Certificate of Calibration

Certificate Number: 2411150008

Sensor Information:

S/N: 1073895

Item #: FSH03943

Model: LSB210

Capacity: 100 lb

Description:

LSB210, 100 lb, S-Beam Jr.® Load Cell, RoHS Compliant, Material - 17-4 PH S.S., M3x0.5-Thread, Submersible, 29 Awg 4 Conductor Spiral Shielded Silicone Cable, 5 ft Long

Calibration Procedure OP1000

CALIBRATION EQUIPMENT USED

Digital Multimeter

HP Model: 34401A, S/N: MY53020637

Dead Weight(s)

100 lbs, Traceability No: 3231659A

This certifies that the following sensor and/or instrument has been calibrated using equipment traceable to SI units through NIST.

Supporting documentation relative to traceability is on file and is available for examination upon request.

All calibration data on this certificate is As Found / As Left unless otherwise stated.

Calibration service is provided pursuant to the terms and conditions made available to customer along with the order form.

This certificate applies only to the item calibrated and shall not be reproduced except in full, without the written approval of FUTEK.

order DG2490582
date 14/11/2024
supplier **DSPM**
www.dspmindustria.it

Calibration Technician: *Chettra Chab*

Issue Date: 11/15/2024

Re-Calibration Date: One Year After Issue Date

CertReg 5.6.4.0

Print Date: 11/15/2024

Print Time: 7:36:17AM

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Sensor Solution Source

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www.futek.com



U.S. Manufacturer



Certificate Number: 2411150008

Single Channel Item

CALIBRATION DATA

Test Temp: 71°F (22 °C)

Relative Humidity: 45 %

Excitation: 5.00 Vdc

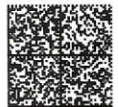
Input Resistance: 352 Ω

Output Resistance: 352 Ω

Zero Balance: 0.0094 mV/V

Tension

Load (lb)	Output (mV/V)	Non-Lin. Error (% R.O.)
0.0000	-0.0001	0.000
20.0000	0.4385	-0.049
40.0000	0.8778	-0.066
60.0000	1.3177	-0.056
80.0000	1.7579	-0.033
100.0000	2.1983	0.000
0.0000	0.0004	0.000



SHUNT CALIBRATION

Direction	Shunt Value (K Ω)	Shunt Connection	Output Value (mV/V)	Equivalent Load (lb)
Tension	60.4	(-Exc) & (-S)	1.4538	66.1345



Certificate of Calibration

Certificate Number: 2411150009

Sensor Information:

S/N: 1073896

Item #: FSH03943

Model: LSB210

Capacity: 100 lb

Description:

LSB210, 100 lb, S-Beam Jr.® Load Cell, RoHS Compliant, Material - 17-4 PH S.S., M3x0.5-Thread, Submersible, 29 Awg 4 Conductor Spiral Shielded Silicone Cable, 5 ft Long

Calibration Procedure OP1000

CALIBRATION EQUIPMENT USED

Digital Multimeter

HP Model: 34401A, S/N: MY53020637

Dead Weight(s)

100 lbs, Traceability No: 3231659A

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Calibration Technician: *Chettra Chab*

Issue Date: 11/15/2024

Re-Calibration Date: One Year After Issue Date

CertReg 5.6.4.0

Print Date: 11/15/2024

Print Time: 7:37:30AM

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Sensor Solution Source

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U.S. Manufacturer



Certificate Number: 2411150009

Single Channel Item

CALIBRATION DATA

Test Temp: 71°F (22 °C)

Relative Humidity: 44 %

Excitation: 5.00 Vdc

Input Resistance: 352 Ω

Output Resistance: 353 Ω

Zero Balance: -0.0032 mV/V

Tension

Load (lb)	Output (mV/V)	Non-Linear Error (% R.O.)
0.0000	-0.0002	0.000
20.0000	0.4421	-0.051
40.0000	0.8851	-0.069
60.0000	1.3286	-0.066
80.0000	1.7725	-0.044
100.0000	2.2169	0.000
0.0000	0.0094	0.000



SHUNT CALIBRATION

Direction	Shunt Value (K Ω)	Shunt Connection	Output Value (mV/V)	Equivalent Load (lb)
Tension	60.4	(-Exc) & (-S)	1.4565	65.7029



Certificate of Calibration

Certificate Number: 2411150010

Sensor Information:

S/N: 1073897

Item #: FSH03943

Model: LSB210

Capacity: 100 lb

Description:

LSB210, 100 lb, S-Beam Jr.® Load Cell, RoHS Compliant, Material - 17-4 PH S.S., M3x0.5-Thread, Submersible, 29 Awg 4 Conductor Spiral Shielded Silicone Cable, 5 ft Long

Calibration Procedure OP1000

CALIBRATION EQUIPMENT USED

Digital Multimeter

HP Model: 34401A, S/N: MY53020637

Dead Weight(s)

100 lbs, Traceability No: 3231659A

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Calibration Technician: *Chettra Chao*

Issue Date: 11/15/2024

Re-Calibration Date: One Year After Issue Date

CertReg 5.6.4.0

Print Date: 11/15/2024

Print Time: 7:38:03AM

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U.S. Manufacturer



Certificate Number: 2411150010

Single Channel Item

CALIBRATION DATA

Test Temp: 71°F (22 °C)

Relative Humidity: 45 %

Excitation: 5.00 Vdc

Input Resistance: 352 Ω

Output Resistance: 352 Ω

Zero Balance: -0.0145 mV/V

Tension

Load (lb)	Output (mV/V)	Non-Linear Error (% R.O.)
0.0000	0.0000	0.000
20.0000	0.4381	-0.043
40.0000	0.8769	-0.054
60.0000	1.3160	-0.051
80.0000	1.7554	-0.035
100.0000	2.1952	0.000
0.0000	0.0006	0.000



SHUNT CALIBRATION

Direction	Shunt Value (KΩ)	Shunt Connection	Output Value (mV/V)	Equivalent Load (lb)
Tension	60.4	(-Exc) & (-S)	1.4541	66.2400



Certificate of Calibration

Certificate Number: 2411150011

Sensor Information:

S/N: 1073898

Item #: FSH03943

Model: LSB210

Capacity: 100 lb

Description:

LSB210, 100 lb, S-Beam Jr.® Load Cell, RoHS Compliant, Material - 17-4 PH S.S., M3x0.5-Thread, Submersible, 29 Awg 4 Conductor Spiral Shielded Silicone Cable, 5 ft Long

Calibration Procedure OP1000

CALIBRATION EQUIPMENT USED

Digital Multimeter

HP Model: 34401A, S/N: MY53020637

Dead Weight(s)

100 lbs, Traceability No: 3231659A

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supplier **DSPM** Industria
www.dspmindustria.it

Calibration Technician: *Chettra Chao*

Issue Date: 11/15/2024

Re-Calibration Date: One Year After Issue Date

CertReg 5.6.4.0

Print Date: 11/15/2024

Print Time: 7:38:58AM

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U.S. Manufacturer



Certificate Number: 2411150011

Single Channel Item

CALIBRATION DATA

Test Temp: 71°F (22 °C)

Relative Humidity: 45 %

Excitation: 5.00 Vdc

Input Resistance: 352 Ω

Output Resistance: 352 Ω

Zero Balance: 0.0069 mV/V

Tension

Load (lb)	Output (mV/V)	Non-Lin. Error (% R.O.)
0.0000	0.0000	0.000
20.0000	0.4363	-0.049
40.0000	0.8733	-0.067
60.0000	1.3109	-0.057
80.0000	1.7487	-0.037
100.0000	2.1869	0.000
0.0000	0.0005	0.000



SHUNT CALIBRATION

Direction	Shunt Value (K Ω)	Shunt Connection	Output Value (mV/V)	Equivalent Load (lb)
Tension	60.4	(-Exc) & (-S)	1.4536	66.4685