

FUTEK MODEL LSM100

ITEM NUMBER: QSH02398

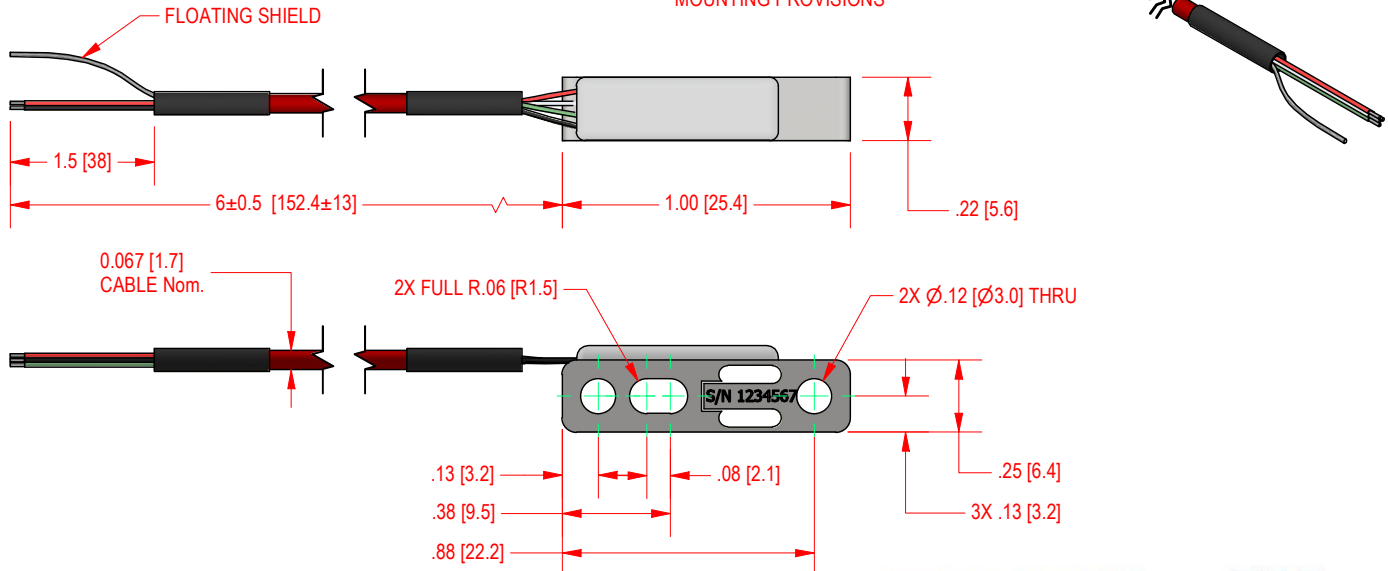
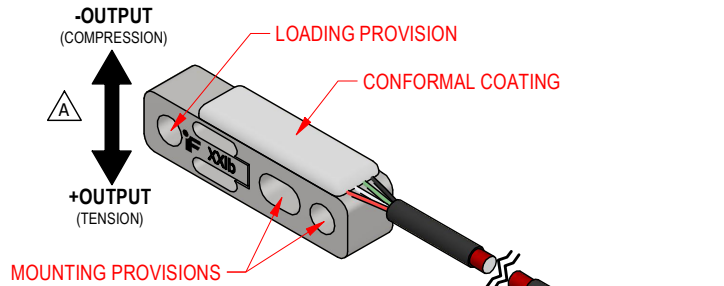
INCH [mm] | R.O. = Rated Output

WIRING CODE

+Excitation	-Excitation	+Signal	-Signal
RED	BLACK	GREEN	WHITE
Shield			
FLOATING			

RoHS

CUSTOM MICRO PARALLELOGRAM LOAD CELL



SPECIFICATIONS:

RATED OUTPUT	1.75 mV/V nom.
CAPACITY	50 lb [222 N]
SAFE OVERLOAD	1000 % of R.O.
ZERO BALANCE	±3% of R.O.
EXCITATION (VDC OR VAC)	7 MAX
BRIDGE RESISTANCE	350 Ω nom.
NONLINEARITY	±0.2% of R.O.
HYSTERESIS	±0.2% of R.O.
NONREPEATABILITY	±0.1% of R.O.
TEMP. SHIFT ZERO	±0.01% of R.O./°F (±0.018 of R.O./°C)
TEMP. SHIFT SPAN	±0.01% of LOAD/°F (±0.018 of LOAD/°C)
COMPENSATED TEMP.	60 to 160 °F (16 to 71 °C)
OPERATING TEMP	-60 to 200 °F (-51 to 93 °C)
WEIGHT (approx)	0.01 lb [4.5 g]
MATERIAL	17-4 PH Stainless Steel
DEFLECTION	0.0012 [0.03 mm] nom.
CABLE	#32 AWG 27/46 , 4 Conductor Braided Shield Silicone Jacket

SCIENCE GATE
Your Automation Partner



SCIGATE AUTOMATION (S) PTE LTD

No.1 Bukit Batok Street 22 #01-01 Singapore 659592

Tel: (65) 6561 0488

Fax: (65) 6562 0588

Email: sales@scigate.com.sg

Web: www.scigate.com.sg

Business Hours: Monday - Friday 8.30am - 6.15pm

CUSTOMER APPROVAL - COMPANY:

CUSTOMER APPROVAL - NAME / DATE:

REVISION HISTORY:

A 3/7/2025

OUTLINE DRAWING

UNLESS OTHERWISE SPECIFIED:

- ALL DIMS ARE IN INCHES [mm]
- DIMS IN [] ARE FOR REFERENCE ONLY
- R.O. = RATED OUTPUT
- INTERPRET DIMS PER ASME Y14.5-2018
- THREADS TO BE MADE PER ASME B1.1-2003 AND B1.13M-2005
- TAPERED THREADS PER ASME B1.20.1-2013

TOLERANCES:

XX ± .01

XXX ± .005

XXXX ± .0010

ANGLES:

± 0.5°

CHAMFER:

± 5°

SURFACE:

63

OR BETTER

3rd ANGLE PROJ:

3rd ANGLE PROJ



This drawing, INCLUDING ALL INFORMATION DEPICTED THEREON (COLLECTIVELY, "Drawing"), is FUTEK's property. It is provided solely for the information and exclusive use of the original addressee. EXCEPT AS EXPRESSLY APPROVED BY FUTEK, YOU MAY NOT REPRODUCE OR SHARE this Drawing, in whole or part, with any OTHER firm or individual and without this legend appearing thereon.

MODEL: LSM100

DWG No: FO1687

REV: A

DRAWN BY: S.VOSOUGH

CREATED: 3/3/2025

APPROVALS: SEE PLM

CHECKED BY:

CAGE: 1X8M6

SHEET: 1 OF 1