

# FUTEK MODEL LSM300

## SPECIAL PARALLELOGRAM LOAD CELL W/OVERLOAD PROTECTION AND PRECISION ALIGNMENT FEATURE

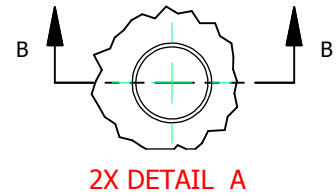
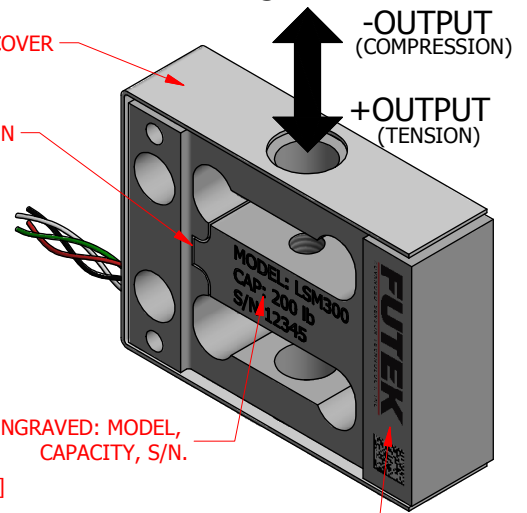
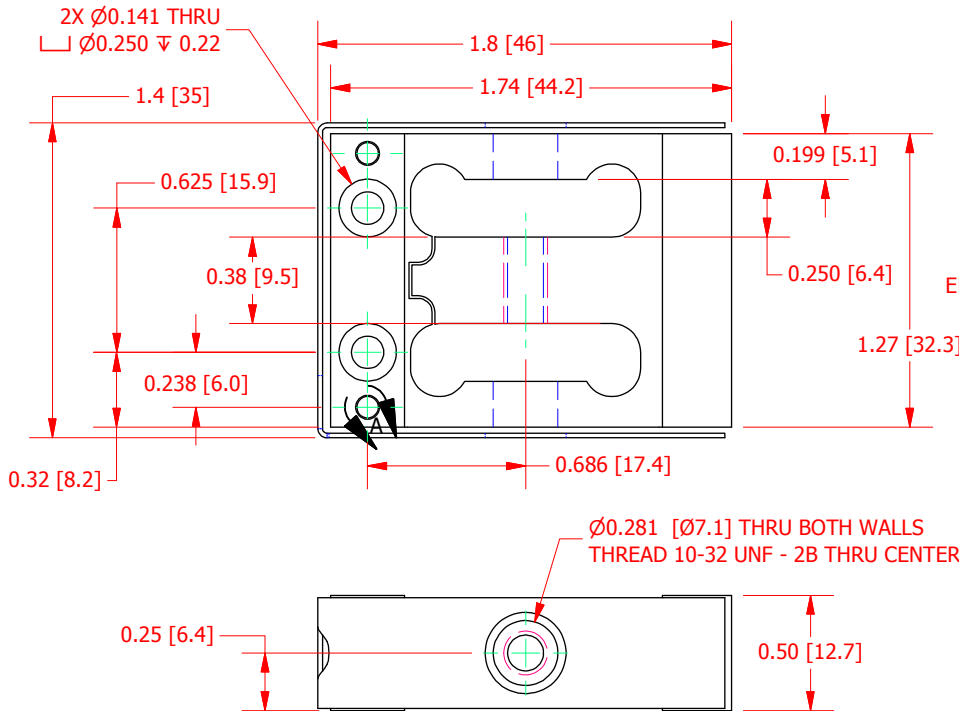
ITEM NUMBER: QSH02044

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

### WIRING CODE\*

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

\*COLOR CODE FOR THIS SENSOR IS NOT FUTEK STANDARD



### SPECIFICATIONS:

RATED OUTPUT	2 mV/V nom.
CAPACITY	200 lb. [888N]
SAFE OVERLOAD	200 % of R.O.
ZERO BALANCE	±3% of R.O.
EXCITATION (VDC OR VAC)	18 MAX
BRIDGE RESISTANCE	1000 Ω nom.
NONLINEARITY	±0.06% of R.O.
HYSTERESIS	±0.06% of R.O.
NONREPEATABILITY	±0.02% of R.O.
CREEP	±0.025% of R.O.
TEMP. SHIFT ZERO	±0.005% of R.O./°F (±0.009 of R.O./°C)
TEMP. SHIFT SPAN	±0.005% of LOAD/°F (±0.009 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)	0.2 lb [90.7 g]
MATERIAL	17-4 PH S.S.
CABLE: #29 Awg 4 Conductor, Spiral Teflon Cable, 6in [152mm] Long	
CALIBRATION TEST EXCITATION	10 VDC
CALIBRATION (STD)	2 pt. TENSION, 150 kOhm SHUNT CAL. VALUE



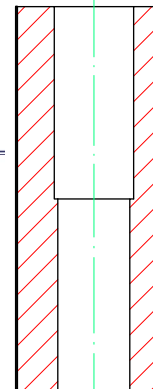
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Ø0.1035 ± 0.0025 [2.63 ± 0.06] ▽ 0.25 [6.3]

⊕ Ø0.005 (M) A



Ø0.094 ± 0.001 [2.38 ± 0.03] THRU A

SECTION B-B

CUSTOMER APPROVAL- COMPANY:

CUSTOMER APPROVAL- NAME / DATE:

REVISIONS: (Refer to dwg # revision sheet)

## OUTLINE DRAWING

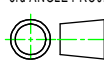
STANDARD NOTES: (Unless Otherwise Specified)

ALL DIMENSIONS ARE IN INCHES  
DRAWING INTERPRETATION DIMS. PER ASME-Y14.5  
REMOVE BURRS AND BREAK SHARP EDGES .005 - .015  
THREADS PER HANDBOOK H-28  
DIMENSIONS ARE SHOWN AFTER PLATING

ANGLE:  
± 1/2°

CHAMFER:  
± 5°

TOLERANCE:  
.X ± 0.1"  
.XX ± 0.01"  
.XXX ± 0.005"



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MODEL: <b>LSM300</b>	DWG No.: <b>FO1487</b>
DRAWN BY: M. Lisiak	CREATED DATE: 10/11/2018
APPROVED BY: R. Walker	APPROVED DATE: 10/12/2018
CHECKED BY:	CAGE: 1X8M6 SHEET: 1 OF 1