

# FUTEK MODEL LLB305

## SUBMINIATURE THREAD MOUNTED LOAD BUTTON LOAD CELL (Previously L1635)

Drawing Number: FI1183

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

WIRING CODE (WC1)

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

+ OUTPUT  
(COMPRESSION)

NON LOADING SURFACE  
DO NOT CONTACT

FUTEK LABEL

Ø0.20 [Ø5.1]

Ø0.74 [Ø18.8]

0.95 [24.1]

Ø0.07 [Ø1.9] nom.

0.31 [7.9]

SR 0.75 [19.1]

Ø0.13 [Ø3.2] nom.

0.29 [7.4]

0.16 [4.1]

0.25 [6.4]

#10-32-2A

### SPECIFICATIONS:

RATED OUTPUT	2 mV/V nom.
SAFE OVERLOAD	150% of R.O.
ZERO BALANCE	±3% of R.O.
EXCITATION (VDC OR VAC)	18 MAX
BRIDGE RESISTANCE	700 Ω nom.
NONLINEARITY	±0.5% of R.O. } IMPROVED ACCURACY
HYSTERESIS	±0.5% of R.O. } AVAILABLE CONTACT
NONREPEATABILITY	±0.1% of R.O. } FACTORY
TEMP. SHIFT ZERO	±0.01% of R.O./°F [0.018% of R.O./°C]
TEMP. SHIFT SPAN	±0.02% of R.O./°F [0.036% of R.O./°C]
COMPENSATED TEMP.	60 to 160°F [15 to 72°C]
OPERATING TEMP.	-60 to 200°F [-50 to 93°C]
WEIGHT	2 oz [57 g]
MATERIAL	17-4PH S.S.
DEFLECTION	0.001 [0.03] nom.
CABLE: #29 AWG, 4 Conductor, Spiral Shielded Teflon Cable 10 ft [3m] Long	
ACCESSORIES AND RELATED INSTRUMENTS AVAILABLE	
CALIBRATION (STD)	5 pt. COMPRESSION; 100KΩ SHUNT CAL. VALUE
CALIBRATION TEST EXCITATION	10 VDC

STK#	CAPACITY	
	lb	N
FSH01508	10	44.5
FSH01510	25	111
FSH01511	50	222
FSH01512	100	445
FSH02035	150	667
FSH01513	250	1112
FSH01514	500	2224
FSH01515	1000	4448