

FUTEK MODEL QLA439

CUSTOM BENDING BEAM LOADCELL

RoHS

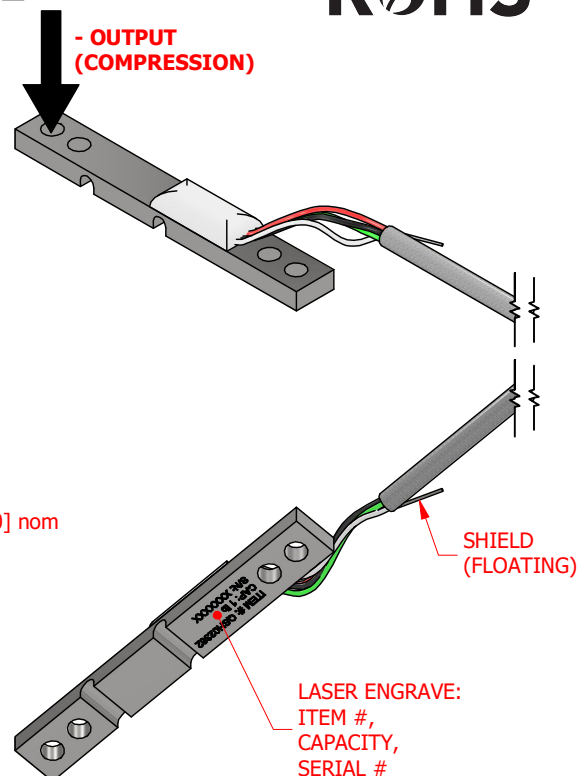
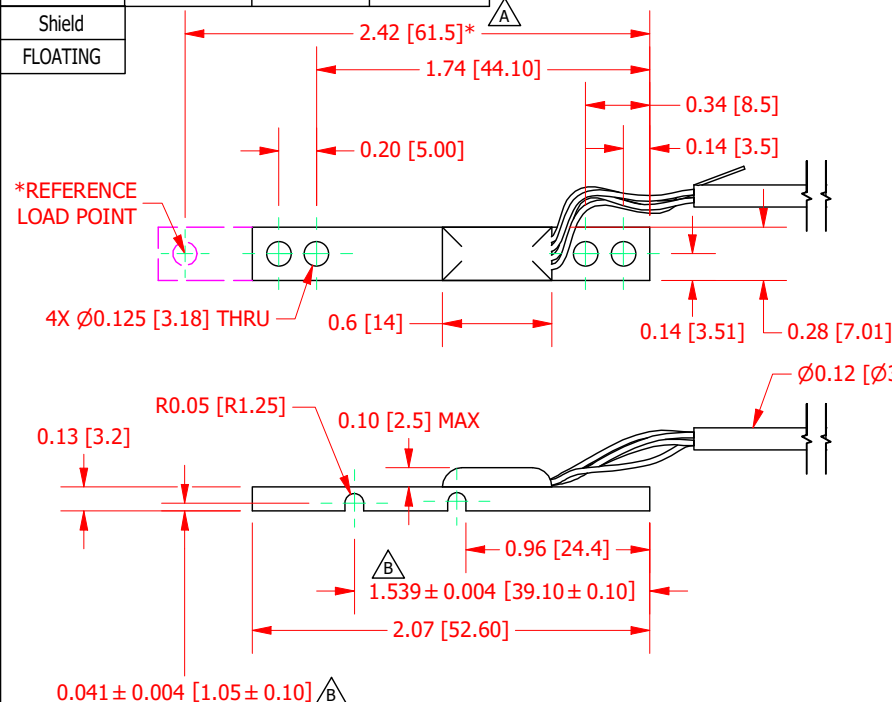
ITEM NUMBER: QSH02362

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

WIRING CODE (WC3)

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

Shield
FLOATING



SPECIFICATIONS:

RATED OUTPUT*	1 mV/V nom.
CAPACITY*	1 lb. [4.44N]
SAFE OVERLOAD	150 % of R.O.
ZERO BALANCE	±10% of R.O.
EXCITATION (VDC)	18 MAX
BRIDGE RESISTANCE	1000 Ω nom.
TEMP. SHIFT ZERO	±0.02% of R.O./°F (±0.036 of R.O./°C)
TEMP. SHIFT SPAN	±0.02% of LOAD/°F (±0.036 of LOAD/°C)
COMPENSATED TEMP.	60 to 160 °F (16 to 71 °C)
OPERATING TEMP.	-45 to 200 °F (-43 to 93 °C)
WEIGHT (approx)	0.03 lb [12.7 g]
MATERIAL	17-4 PH S.S.
DEFLECTION	0.009 [0.23] nom.
CONFORMITY	RoHS EU 2015/863
INGRESS PROTECTION	IP64
CABLE: #28 AWG, 4 conductor, braided shielded PVC cable, 1 ft [0.3 m] long	
ELECTRICAL TEST ONLY	Rin / Rout / Zero Balance

NOTES:

* Rated Output and Capacity are based on the indicated reference load point and distance from edge of sensor.

CUSTOMER APPROVAL- COMPANY:

CUSTOMER APPROVAL- NAME / DATE:

REVISIONS: (Refer to dwg # revision sheet)

A	4/10/2024
B	5/2/2024

OUTLINE DRAWING

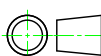
STANDARD NOTES: (Unless Otherwise Specified)

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"



FUTEK

www.futek.com

MODEL: **QLA439**

DRAWN BY: Y. GUERRERO

APPROVED BY: R. WALKER

CHECKED BY:

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DWG No.: **F01661-B**

CREATED DATE: 3/27/2024

APPROVED DATE: 3/29/2024

CAGE: 1X8M6 SHEET: 1 OF 1