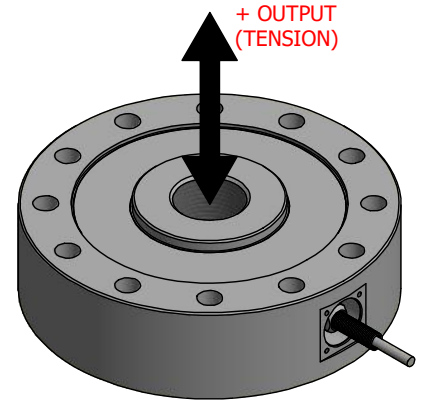
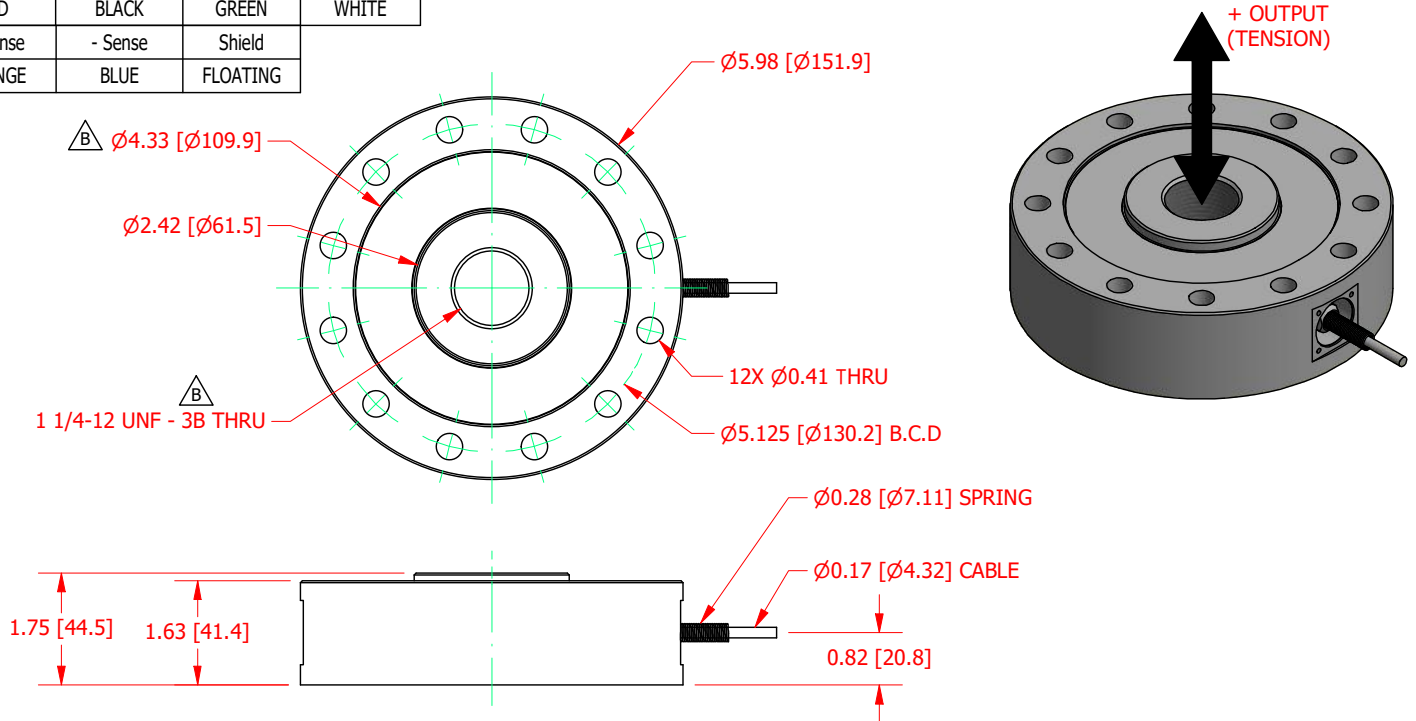


# FUTEK MODEL LCF500 (QLA122)

ITEM NUMBER: SEE CHART

LOW PROFILE UNIVERSAL  
PANCAKE LOAD CELL W/  
INTERNAL STRAIN RELIEF  
PREVIOUSLY L2900-Q11307

| INCH [mm]    |              | R.O.= Rated Output |          |
|--------------|--------------|--------------------|----------|
| WIRING CODE  |              |                    |          |
| + Excitation | - Excitation | + Signal           | - Signal |
| RED          | BLACK        | GREEN              | WHITE    |
| + Sense      | - Sense      | Shield             |          |
| ORANGE       | BLUE         | FLOATING           |          |



## SPECIFICATIONS:

|   |  |
|---|--|
| RATED OUTPUT  | SEE CHART $\triangle_B$  |
| CAPACITY  | SEE CHART $\triangle_B$  |
| SAFE OVERLOAD   | SEE CHART $\triangle_B$  |
| ZERO BALANCE  | SEE CHART $\triangle_B$  |
| EXCITATION (VDC OR VAC)   | 20 MAX   |
| BRIDGE RESISTANCE   | 350 $\Omega$ nom.  |
| NONLINEARITY  | $\pm 0.12\%$ of R.O.   |
| HYSTERESIS  | $\pm 0.12\%$ of R.O.   |
| NONREPEATABILITY  | $\pm 0.02\%$ of R.O.   |
| TEMP. SHIFT ZERO  | SEE CHART $\triangle_B$  |
| TEMP. SHIFT SPAN  | $\pm 0.002\%$ of LOAD/ $^{\circ}$ F ( $\pm 0.004$ of LOAD/ $^{\circ}$ C) |
| COMPENSATED TEMP.   | 60 to 160 $^{\circ}$ F (16 to 71 $^{\circ}$ C)                           |
| OPERATING TEMP  | -60 to 200 $^{\circ}$ F (-51 to 93 $^{\circ}$ C)                         |
| MATERIAL  | 17-4 PH S.S.   |
| DEFLECTION  | SEE CHART $\triangle_B$  |
| CABLE: #28 Awg 6 Conductor Braided Shielded Polyurethane Cable, 5 ft [1.5 m] Long | $\triangle_B$  |
| RoHS Compliance   | EU2015/863 $\triangle_B$   |

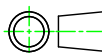
| $\triangle_B$ SPECIFICATION | QSH01958   | QSH02266   |
|-----------------------------|--|--|
| RATED OUTPUT                | 4 mV/V   | 2 mV/V   |
| CAPACITY                    | 50000 lb.  | 12500 lb.  |
| SAFE OVERLOAD               | 150% of R.O.   | 300% of R.O.   |
| ZERO BALANCE                | $\pm 1\%$ of R.O.  | $\pm 2\%$ of R.O.  |
| TEMP SHIFT ZERO             | $\pm 0.001\%$ of R.O./ $^{\circ}$ F<br>(0.0018% of R.O./ $^{\circ}$ C) | $\pm 0.002\%$ of R.O./ $^{\circ}$ F<br>(0.0036% of R.O./ $^{\circ}$ C) |
| DEFLECTION                  | 0.003 [0.076] nom.   | 0.001 [0.025] nom.   |

## 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

3rd ANGLE PROJ.



ANGLE:  
 $\pm 1/2^{\circ}$

CHAMFER:  
 $\pm 5$

TOLERANCE:  
.X  $\pm 0.1^{\circ}$   
.XX  $\pm 0.01^{\circ}$   
.XXX  $\pm 0.005^{\circ}$

This drawing is submitted solely for the information and exclusive use of the original addressee. It is not to be divulged in whole or in part, by any firm or individual without written permission from:

**FUTEK**  
ADVANCED SENSOR TECHNOLOGY, INC.  
10 THOMAS, IRVINE, CA 92618 USA  
Phone: (949) 465-0900

|                               |                           |
|-------------------------------|---------------------------|
| MODEL: <b>LCF500 (QLA122)</b> | DWG No.: <b>FO1061-B</b>  |
| DRAWN BY: H. AU               | CREATED DATE: 8/31/2004   |
| APPROVED BY: R. WALKER        | APPROVED DATE: 8/31/2004  |
| CHECKED BY:                   | CAGE: 1X8M6 SHEET: 1 OF 1 |

CUSTOMER APPROVAL - COMPANY:

CUSTOMER APPROVAL - NAME / DATE:

REVISIONS: (Refer to dwg # revision sheet)

|   |            |
|---|------------|
| A | 12/19/2007 |
| B | 12/22/2021 |