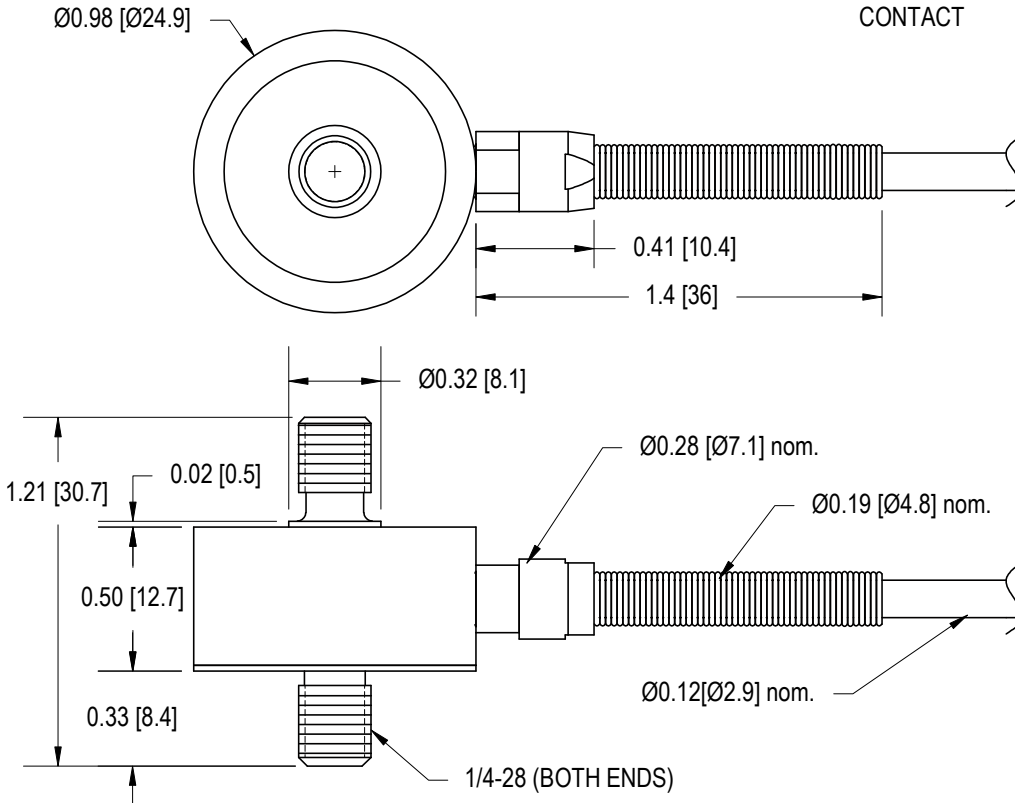
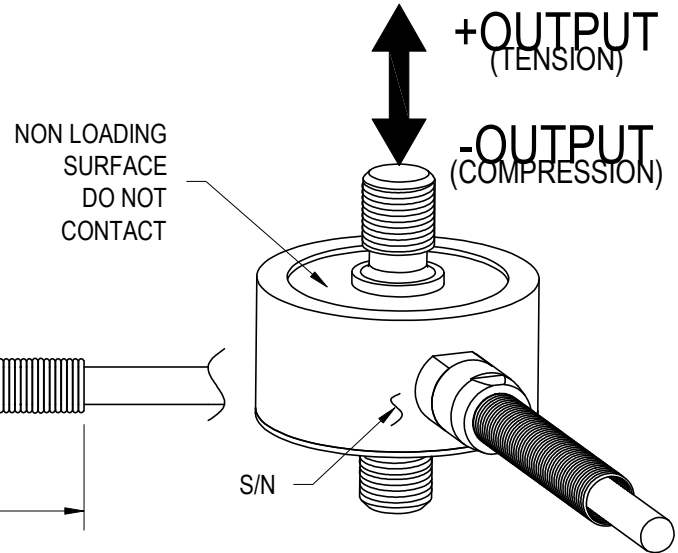


# FUTEK MODEL LCM300 Tension and Compression Load Cell, Submersible

ITEM NUMBER: QSH01545

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



## SPECIFICATIONS:

|  |                                       |
|--|---------------------------------------|
| RATED OUTPUT   | 2 mV/V nom.                           |
| CAPACITY   | 1000 lb [4448 N]                      |
| SAFE OVERLOAD  | 150% of R.O.                          |
| ZERO BALANCE   | ±3% of R.O.                           |
| EXCITATION (VDC OR VAC)  | 15 MAX                                |
| BRIDGE RESISTANCE  | 700 Ω nom                             |
| NONLINEARITY   | ±0.5% of R.O.                         |
| HYSTERESIS   | ±0.5% of R.O.                         |
| NONREPEATABILITY   | ±0.1% of R.O.                         |
| TEMP. SHIFT ZERO   | ±0.005% of R.O./°F (0.01% of R.O./°C) |
| TEMP. SHIFT SPAN   | ±0.02% of LOAD/°F (0.038% of LOAD/°C) |
| COMPENSATED TEMP.  | 60 to 160°F [15 to 72°C]              |
| OPERATING TEMP.  | 60 to 160°F [15 to 72°C]              |
| WEIGHT (Approx)  | 2oz. [57g]                            |
| MATERIAL   | 17-4ph S.S.                           |
| CABLE: #28 AWG, 4 Conductor, Braided Shielded PVC Cable 100 ft [30 m] Long |                                       |
| INGRESS PROTECTION (IP) RATING IP68  |                                       |

## OUTLINE DRAWING

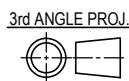
STANDARD NOTES: (Unless Otherwise Specified)

- ALL DIMENSIONS ARE IN INCHES
- DRAWING INTERPRETATION DIMS. PER ASME-Y14.5M
- 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



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.

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IRVINE, CA 92618 USA  
Phone: (949) 465-0900  
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CAGE: 1X8M6

MODEL: **LCM300**

DRAWN BY: R. WALKER

APPROVED BY: -

DWG No.: **FO1303**

CHECKED BY: A. PANO

DATE: **Oct. 10, 2011**

CUSTOMER APPROVAL-COMPANY

CUSTOMER APPROVAL-NAME /DATE

REVISIONS: (Refer to dwg # revision sheet)

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