FUTEK MODEL QLA368

Custom Beam Load Cell

ITEM NUMBER: SEE CHART

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

WIRING CODE (WC1)

+ Excitation	- Excitation	+ Signal	- Signal
RED	BLACK	GREEN	WHITE
CHART			
Shield			
FLOATING			

SEE CHART FOR ITEM # ENGRAVING ⚠D

ITEM: XXXXXXX
S/N-##-#####
CAP: 40lb

+ OUTPUT
(COMPRESSION)

LOADING SURFACE

Ø0.047 [1.19] NOM. CABLE 5' LONG

SMALL SPOT ON QSH01726 FOR VISUAL IDENTIFICATION PURPOSES ⚠D

0.250 +0.001 / -0.003 [6.35 +0.03 / -0.08]

⚠A

0.71 [18.03]

2X 0.230 ± 0.003 [5.84 ± 0.1]

⚠B

0.130 [3.30]

0.140 [3.56]

4X R0.02 [0.5]

0.190 ± 0.002 [4.83 ± 0.1]

SUPPORT BOTTOM AREA ONLY

0.85 [21.59]

(1.370 [34.80])

4X R0.02 [0.5]

0.384 ± 0.002 [9.75 ± 0.1]

0.540 [13.72]

R0.19 [4.8]

'A' +0.002 / -0.000 ['B' +0.05 / -0.00] ⚠D

2X 0.140 ± 0.002 [3.56 ± 0.1]

0.06 [1.5]

⚠A

60° ⚠C

2X 0.035 [0.89]
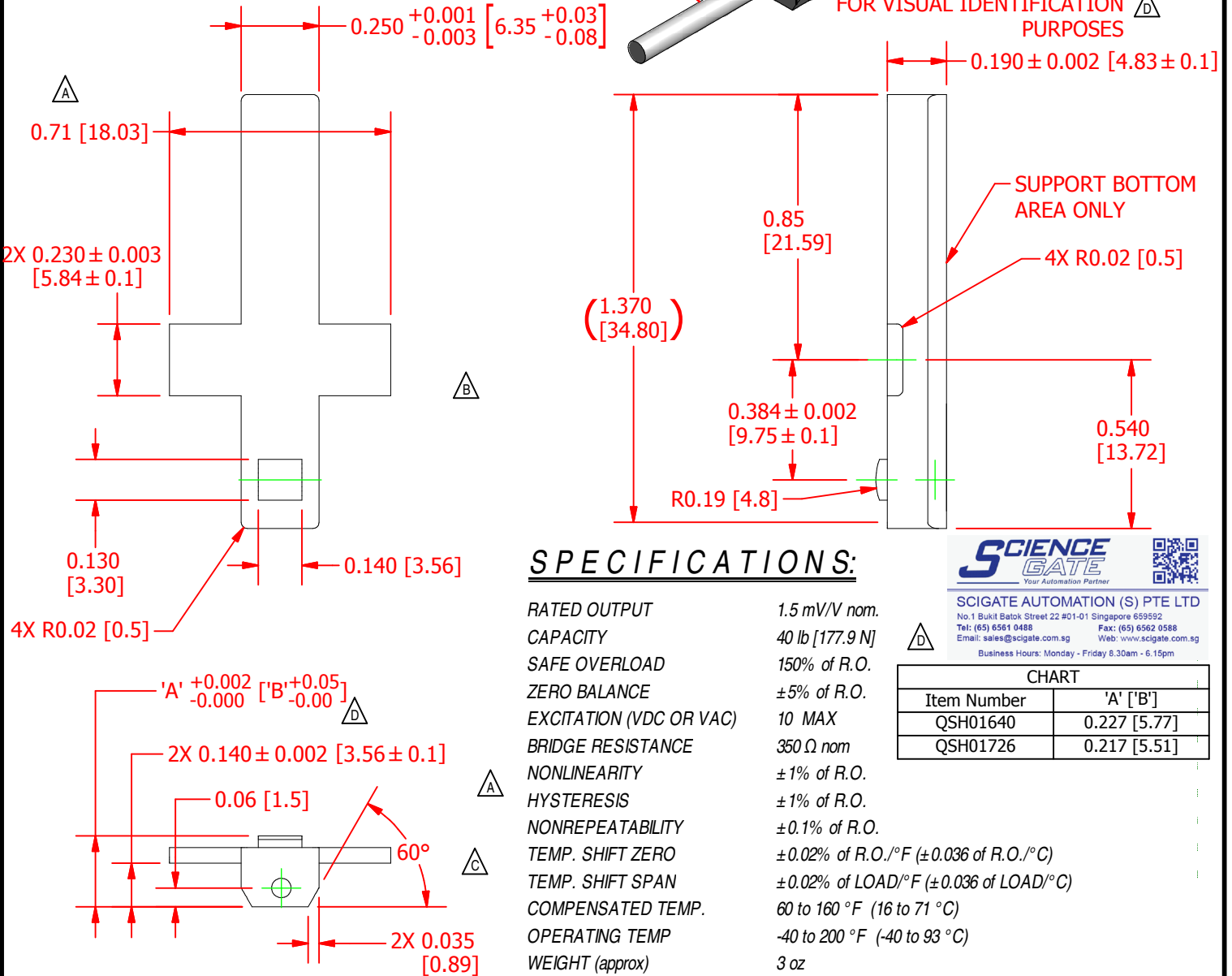
SPECIFICATIONS:

RATED OUTPUT	1.5 mV/V nom.
CAPACITY	40 lb [177.9 N]
SAFE OVERLOAD	150% of R.O.
ZERO BALANCE	±5% of R.O.
EXCITATION (VDC OR VAC)	10 MAX
BRIDGE RESISTANCE	350 Ω nom
NONLINEARITY	±1% of R.O.
HYSTERESIS	±1% of R.O.
NONREPEATABILITY	±0.1% of R.O.
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	-40 to 200 °F (-40 to 93 °C)
WEIGHT (approx)	3 oz
MATERIAL	17-4ph S.S. Flexure

CABLE: #34 Awg, 4 Conductor Teflon, S.S. Braided Shielded Cable, 5 ft [1.5m] Long

CHART

Item Number	'A' ['B']
QSH01640	0.227 [5.77]
QSH01726	0.217 [5.51]

⚠D

REVISIONS: (Refer to dwg # revision sheet)

A	12/19/12
B	12/21/12
C	1/11/13
D	1/14/2015

CUSTOMER APPROVAL- COMPANY:

CUSTOMER APPROVAL- NAME / DATE:

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

3rd ANGLE PROJ.
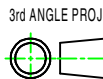
ANGLE: ± 1/2°

CHAMFER: ± 5°

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

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MODEL: QLA368	DWG No.: FO1336-D
DRAWN BY: E. Pano	CREATED DATE: 12/7/2012
APPROVED BY: R. Walker	APPROVED DATE: 12/11/2012
CHECKED BY:	CAGE: 1X8M6 SHEET: 1 OF 1

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