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D

C

B

A

REVISIONS							
ZONE	LTR.	DESCRIPTION	DATE	ECN	BY	CKD	APVD
-	-	INITIAL RELEASE	10/01/08	-	-	-	-
-	B	REDRAWN FOR LABELING CONSISTENCY	11/19/15	2016-17	TB	AB	AA

1/4-18NPT

#668

#669

(2 plcs)

N rad.

PERFORMANCE SPECIFICATIONS:

1. CAPACITIES: 2.5K, 5K, 10K & 20K LB
2. RATED OUTPUT: 2.00 mV/V $\pm$ 0.1%
3. SAFE OVERLOAD: 150% FS
4. EXCITATION VOLTAGE: 10-20V AC/DC
5. INPUT RESISTANCE: 385 $\pm$ 10 OHMS
6. OUTPUT RESISTANCE: 350 $\pm$ 3 OHMS
7. ZERO BALANCE: $\pm$ 1.00% FS
8. SEAL TYPE: ENVIRONMENTALLY SEALED, IP67
9. NON-LINEARITY: $\pm$ 0.03% FS
10. HYSTERESIS: $\pm$ 0.02% FS
11. REPEATABILITY: $\pm$ 0.01% FS
12. CREEP: $\pm$ 0.02% FS
13. NTEP RATED
14. CLASS 111 5,000 DIVISION, MULTIPLE CELL
15. COMPENSATED TEMPERATURE RANGE: -10°C - +40°C
16. TEMPERATURE EFFECT ON ZERO: $\pm$ 0.0027%/FS/°C
17. TEMPERATURE EFFECT ON OUTPUT: $\pm$ 0.0015%/FS/°C
18. INSULATION RESISTANCE: >5000 MEGOHMS
19. LOAD CELL CABLE: 4 CONDUCTOR, 30 FT
20. LOAD CELL WIRING:
 - GREEN +EXC
 - BLACK -EXC
 - WHITE +SIG
 - RED -SIG
 - BRAID/YELLOW: SHIELD
21. FM APPROVED

RATED CAPACITY	DIMENSIONS																
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
2.5K	8.00	1.94	1.44	0.53	0.50	2.50	3.88	0.88	3/4-16UNF	-	-	-	-	-	-	-	-
5K	8.00	1.94	1.44	0.53	0.50	2.50	3.88	0.88	3/4-16UNF	-	-	-	-	-	-	-	-
10K	9.00	2.46	2.00	0.78	0.50	2.00	5.25	1.00	0.68 DIA	-	-	-	-	-	-	-	-
20K	9.00	2.46	2.00	0.78	0.50	2.00	5.25	1.00	0.68 DIA	-	-	-	-	-	-	-	-
668 insert	-	-	-	-	-	-	-	-	-	1.175	.375	0.68	-	-	-	-	-
669 rocker pin	-	-	-	-	-	-	-	-	-	-	-	-	1.125	6.00	1.125	1.125	.125x.25

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THIS DRAWING USES THIRD ANGLE PROJECTION

TOLERANCES UNLESS OTHERWISE SPECIFIED:
XX- $\pm$.01
XXX- $\pm$.005
FRACTIONS- $\pm$ 1/16"
ANGLES: $\pm$ 1/2°

APPROVALS		DATE
DRAWN:	MTSI	10/01/08
CHECKED:	MB	10/01/08
ENGINEER:	AA	10/01/08
APPROVED:	AA	10/01/08

MATERIAL: STAINLESS STEEL

SCALE: NONE SIZE: B PART/DRAWING NO.: DOD-CG-SB250 REV.: B

MODEL: CG-SB250 SHEET: 1 OF 1

DO NOT ALTER WITHOUT AGENCY NOTIFICATION

COTI GLOBAL SENSORS, INC.

CG-SB250 SINGLE ENDED BEAM NTEP LOAD CELL