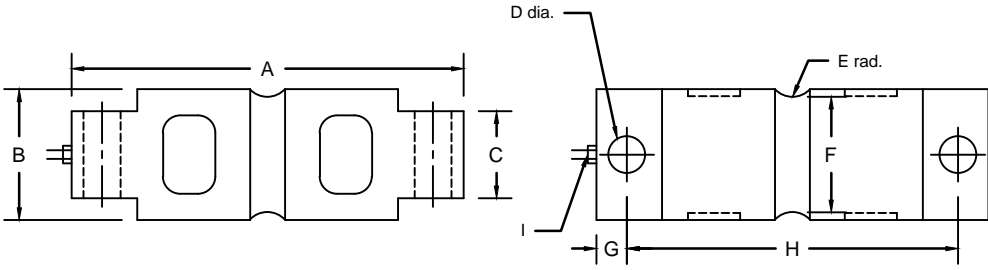


REVISIONS							
ZONE	LTR.	DESCRIPTION	DATE	ECN	BY	CKD	APVD
-	-	INITIAL RELEASE	10/01/08	-	-	-	-
-	C	REDRAWN FOR LABELING CONSISTENCY	12/15/15	2016-59	TB	AB	AA

- PERFORMANCE SPECIFICATIONS:
- CAPACITIES: 5K, 10K, 20K, 30K, 40K, 50K, 60K, 100K, 150K, 200K, & 250K LB
  - RATED OUTPUT: 3.00 mV/V  $\pm 0.1\%$
  - SAFE OVERLOAD: 150% FS
  - EXCITATION VOLTAGE: 10-20V AC/DC
  - INPUT RESISTANCE: 700  $\pm 10$  OHMS
  - OUTPUT RESISTANCE: 700  $\pm 5$  OHMS
  - ZERO BALANCE:  $\pm 1.00\%$  FS
  - SEAL TYPE: ENVIRONMENTALLY SEALED, IP67
  - NON-LINEARITY:  $\pm 0.03\%$  FS
  - HYSTERESIS:  $\pm 0.02\%$  FS
  - REPEATABILITY:  $\pm 0.01\%$  FS
  - CREEP:  $\pm 0.02\%$  FS
  - NTEP RATED
  - CLASS 111L 10,000 DIVISION, MULTIPLE CELL
  - COMPENSATED TEMPERATURE RANGE:  $-10^{\circ}\text{C} - +40^{\circ}\text{C}$
  - TEMPERATURE EFFECT ON ZERO:  $\pm 0.0027\%$  FS/ $^{\circ}\text{C}$
  - TEMPERATURE EFFECT ON OUTPUT:  $\pm 0.0015\%$  FS/ $^{\circ}\text{C}$
  - INSULATION RESISTANCE:  $>5000$  MEGOHMS
  - LOAD CELL CABLE: 4 CONDUCTOR, 60 FT BRAIDED SHIELD
  - LOAD CELL WIRING:
    - GREEN +EXC
    - BLACK -EXC
    - WHITE +SIG
    - RED -SIG
    - BRAID/YELLOW: SHIELD
  - FM APPROVED



RATED CAPACITY	DIMENSIONS								
	A	B	C	D	E	F	G	H	I
5K-10K	8.12	1.70	1.12	0.66	0.50	1.48	0.62	6.88	1/4-18 NPT
20K	8.12	1.95	1.12	0.66	0.50	1.48	0.62	6.88	1/4-18 NPT
30K-60K	10.25	3.00	2.37	1.06	1.00	2.73	0.88	8.50	1/2-14 NPT
100K	11.25	3.50	2.50	1.06	1.50	3.24	0.88	9.50	1/2-14 NPT
150K	11.25	3.90	2.80	1.06	1.50	3.64	0.88	9.50	1/2-14 NPT
200K-250K	16.10	5.38	4.60	1.56	2.00	5.17	1.55	13.00	1/2-14 NPT

"DO NOT ALTER WITHOUT AGENCY NOTIFICATION"

COTI GLOBAL SENSORS, INC.

CG-5103 DOUBLE ENDED BEAM  
NTEP LOAD CELL

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

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TOLERANCES UNLESS OTHERWISE SPECIFIED  
XX- $\pm 0.01$   
.XXX- $\pm 0.005$   
FRACTIONS- $\pm 1/16"$   
ANGLES- $\pm 1/2^{\circ}$

SCALE	SIZE	PART/DRAWING NO.	REV.
NONE	B	DOD-CG-5103	C
MODEL CG-5103		SHEET 1 OF 1	