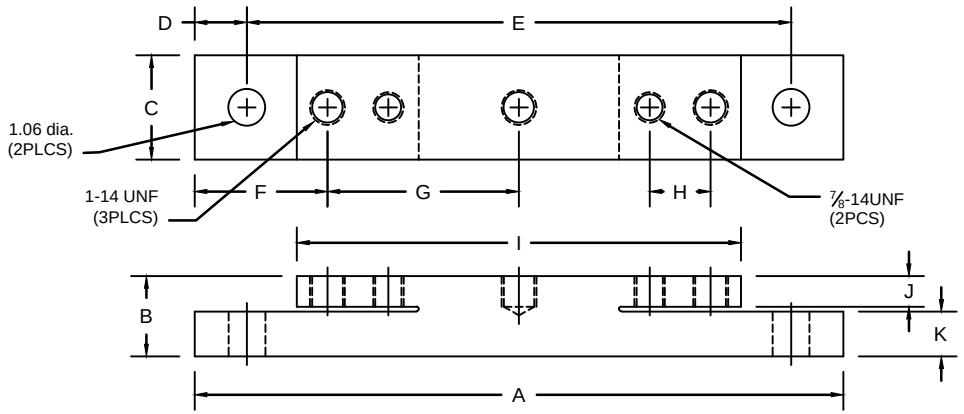
REVISIONS							
ZONE	LTR.	DESCRIPTION	DATE	ECN	BY	CKD	APVD
-	D	RATED OUTPUT FROM ±0.1% to ±0.33%	04/20/21	2021-02	TB	AB	AA
-	E	CORRECTED OHM INPUT/OUTPUT	07/23/24	2024-17	TB	AT	AT



RATED CAPACITY	DIMENSIONS										
	A	B	C	D	E	F	G	H	I	J	K
12.5K	22.62	2.31	3.00	1.50	19.62	3.81	7.50	1.75	16.75	0.88	1.29

PERFORMANCE SPECIFICATIONS:

1. CAPACITIES: 12.5K LB
2. RATEDOUTPUT: 0.50 mV/V ±0.33%
3. SAFE OVERLOAD: 150% FS
4. EXCITATION VOLTAGE: 10-20V AC/DC
5. INPUT RESISTANCE: 415 ± 10 OHMS
6. OUTPUT RESISTANCE: 350 ± 5 OHMS
7. ZERO BALANCE: ±1.00% FS
8. SEAL TYPE: WELDED SEALED
9. NON-LINEARITY: ±0.03% FS
10. HYSTERESIS: ±0.02% FS
11. REAPEATABLITY: ±0.01% FS
12. CREEP: ±0.02% FS
13. COMPENSATED TEMPERATURE RANGE: -10°C - +40°C
14. TEMPERATURE EFFECT ON ZERO: ±0.0027%FS/°C
15. TEMPERATURE EFFECT ON OUTPUT: ±0.0015%FS/°C
16. INSULATION RESISTANCE: >5000 MEGOHMS
17. LOAD CELL CONNECTOR:
    - 7 PIN MALE AMPHENOL CONNECTOR
    - PIN D - POSITIVE EXCITATION
    - PIN C - NEGATIVE EXCITATION
    - PIN A - POSITIVE SIGNAL
    - PIN F - NEGATIVE SIGNAL
    - PIN B - OPEN
    - PIN E - OPEN
18. 4 CONDUCTOR, 80 FT (BRAIDED SHIELD)
    - GREEN +EXC
    - BLACK -EXC
    - WHITE +SIG
    - RED -SIG
    - BRAID/YELLOW: SHEILD
19. FM APPROVED

"DO NOT ALTER WITHOUT AGENCY NOTIFICATION"

THIS DRAWING USES THIRD ANGLE PROJECTION

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE REPRODUCED OR DISCLOSED FOR ANY PURPOSE OR USED TO PRODUCE THE ARTICLE OR SUBJECT WITHOUT WRITTEN PERMISSION FROM COTI GLOBAL SENSORS, INC.

TOLERANCES UNLESS OTHERWISE SPECIFIED
.XX-±.01
.XXX-±.005
FRACTIONS-±1/16"
ANGLES: ±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
ALLOY STEEL

COTI GLOBAL SENSORS, INC.

CG-LODEC-DOUBLE ENDED BEAM LOAD CELL

SCALE	SIZE	PART/DRAWING NO.	REV.
NONE	B	DOD-CG-LODEC	E

MODEL CG-LODEC SHEET 1 OF 1