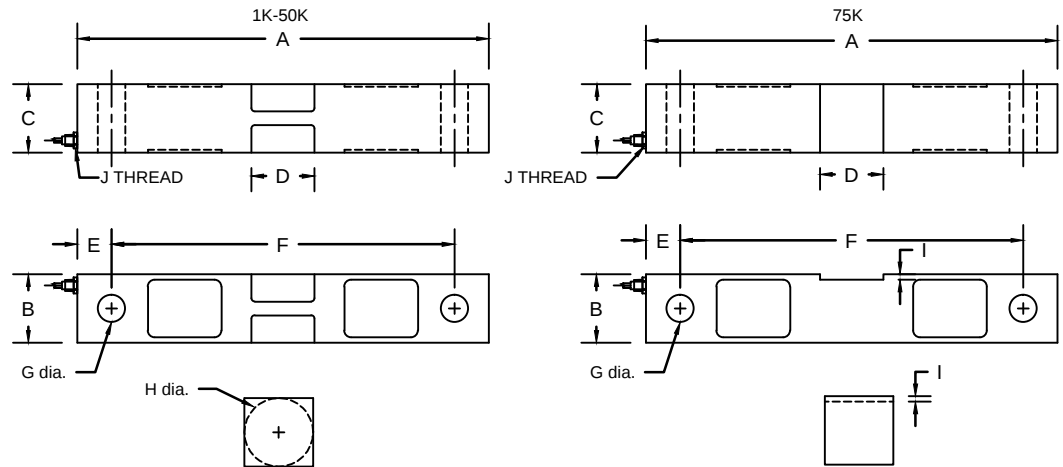


| REVISIONS |      |                                  |          |         |    |     |      |
|-----------|------|----------------------------------|----------|---------|----|-----|------|
| ZONE      | LTR. | DESCRIPTION                      | DATE     | ECN     | BY | CKD | APVD |
| -         | -    | INITIAL RELEASE                  | 10/01/08 | -       | -  | -   | -    |
| -         | C    | REDRAWN FOR LABELING CONSISTENCY | 12/15/15 | 2016-60 | TB | AB  | AA   |



- PERFORMANCE SPECIFICATIONS:
1. CAPACITIES: 1K, 1.5K, 2K, 2.5K, 3K, 5K, 10K, 15K, 20K, 25K, 35K, 50K, 75K, 100K, & 125K LB
  2. RATED OUTPUT: 3.00 mV/V  $\pm$ 0.1%
  3. SAFE OVERLOAD: 150% FS
  4. EXCITATION VOLTAGE: 10-20V AC/DC
  5. INPUT RESISTANCE: 700  $\pm$  10 OHMS
  6. OUTPUT RESISTANCE: 700  $\pm$  5 OHMS
  7. ZERO BALANCE:  $\pm$ 1.00% FS
  8. SEAL TYPE: ENVIRONMENTALLY SEALED
  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. COMPENSATED TEMPERATURE RANGE: -10°C - +40°C
  14. TEMPERATURE EFFECT ON ZERO:  $\pm$ 0.0027%FS/°C
  15. TEMPERATURE EFFECT ON OUTPUT:  $\pm$ 0.0015%FS/°C
  16. INSULATION RESISTANCE: >5000 MEGOHMS
  17. LOAD CELL CABLE:
    - 1K-5K: 4 CONDUCTOR, 50 FT
    - 10K-75K: 4 CONDUCTOR, 50 FT (BRAIDED SHIELD)
  18. LOAD CELL WIRING:
    - GREEN +EXC
    - BLACK -EXC
    - WHITE +SIG
    - RED -SIG
    - BRAID/YELLOW: SHIELD
  19. FM APPROVED

| RATED CAPACITY | DIMENSIONS |      |      |      |      |       |      |      |      |            |
|----------------|------------|------|------|------|------|-------|------|------|------|------------|
|                | A          | B    | C    | D    | E    | F     | G    | H    | I    | J          |
| 1K-5K          | 7.50       | 1.25 | 1.25 | 1.15 | 0.62 | 6.25  | 0.50 | 1.25 | -    | 1/4-18 NPT |
| 10K-25K        | 8.75       | 1.94 | 1.44 | 2.00 | 0.62 | 7.50  | 0.81 | 2.00 | -    | 1/4-18 NPT |
| 35K            | 8.75       | 2.50 | 1.50 | 2.00 | 0.62 | 7.50  | 0.81 | 2.50 | -    | 1/2-14 NPT |
| 50K            | 13.50      | 2.94 | 2.44 | 3.25 | 1.00 | 11.50 | 1.31 | 3.00 | -    | 1/2-14 NPT |
| 75K            | 13.50      | 2.94 | 2.44 | 3.25 | 1.00 | 11.50 | 1.31 | -    | 0.17 | 1/2-14 NPT |
| 100K-125K      | 18.50      | 3.94 | 2.94 | 3.25 | 1.75 | 15.00 | 1.63 | -    | 0.25 | 1/2-14 NPT |

THIS DRAWING USES THIRD ANGLE PROJECTION

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TOLERANCES UNLESS OTHERWISE SPECIFIED  
XX- $\pm$ 0.1  
XXX- $\pm$ 0.005  
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    |      |          |
| ALLOY STEEL |      |          |

SCALE: NONE

SIZE: B

PART/DRAWING NO. DOD-CG-16

MODEL: CG-16

REV. C

SHEET 1 OF 1

DO NOT ALTER WITHOUT AGENCY NOTIFICATION

COTI GLOBAL SENSORS, INC.

CG-16 DOUBLE ENDED BEAM LOAD CELL