



100kg - 500kg

1000kg-7500kg

A

| REVISIONS |      |                                            |         |          |          |
|-----------|------|--------------------------------------------|---------|----------|----------|
| ZONE      | REV. | DESCRIPTION                                | ECN     | DATE     | APPROVED |
|           | -    | INITIAL RELEASE                            | 2021-05 | 04/23/21 | AT       |
|           | A    | Vmin WAS: 0.004%RC; ZTC: WAS: 0.009%FS/5°C | 2022-14 | 6/27/22  | AT       |
|           | B    | ZERO BALANCE CHANGED TO +2%FS              | 2024-20 | 8/12/24  | AT       |
|           |      |                                            |         |          |          |

### PERFORMANCE SPECIFICATIONS:

1. RATED CAPACITIES AS SHOWN ON TABLE (kg)
2. RATED OUTPUT:  $3.0 \pm 0.25\%$  mV/V
3. SAFE OVERLOAD: 150% FS.
4. EXCITATION VOLTAGE: 10V AC/DC (15V MAX).
5. INPUT RESISTANCE:  $385 \pm 10\Omega$ .
6. OUTPUT RESISTANCE:  $350 \pm 3\Omega$ .
7. ZERO BALANCE:  $+2.0\%$  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:  $\pm 0.02\%$  LOAD IN 30 MINUTES.
13. OIML/NTEP CLASS: C3/IIIL
14.  $V_{min}$  (%RC): 0.011(C3)/0.004(IIIL)
15. COMPENSATED TEMPERATURE RANGE:  $-10^{\circ}\text{C}$  TO  $+40^{\circ}\text{C}$
16. TEMPERATURE EFFECT ON ZERO  $\pm\%$ FS/ $5^{\circ}\text{C}$ : 0.0077(C3); 0.0090(IIIL)
17. TEMPERATURE EFFECT ON OUTPUT  $\pm\%$  FS/ $5^{\circ}\text{C}$ : 0.0075
18. INSULATION RESISTANCE: 2000 MEGOHMS AT 50VDC
19. LOAD CELL CABLE: 4-26 AWG,  $\phi$ 3.6mm, PVC, 20FT(100kg)  
 $\phi$ 5.6mm, PVC, 20FT (250kg-7500kg)
20. LOAD CELL WIRING: GRN(+EXC), BLK(-EXC), WHT(+SIG), RED(-SIG),  
BRAIDED/YELLOW: SHIELD
21. FM APPROVED
22. TENSION POSITIVE POLARITY, COMPRESSION POSITIVE POLARITY  
PER SALES ORDER.

DO NOT ALTER WITHOUT  
AGENCY NOTIFICATION

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## OUTLINE DIMENSIONS

### CGSB-SS-MT

| APPROVALS | NAME | DATE       |
|-----------|------|------------|
| DRAWN     | JSP  | 04/23/2017 |
| CHECKED   | AT   | 04/23/2017 |
| ENGINEER  | JSP  | 04/23/2017 |
| APPROVED  | AT   | 04/23/2017 |

|          |                |          |
|----------|----------------|----------|
| SIZE     | DWG. NO.       | REV      |
| <b>B</b> | DOD-CGSB-SS-MT | <b>B</b> |

|            |         |              |
|------------|---------|--------------|
| SCALE: 1:1 | WEIGHT: | SHEET 1 OF 1 |
|------------|---------|--------------|