



Product Description

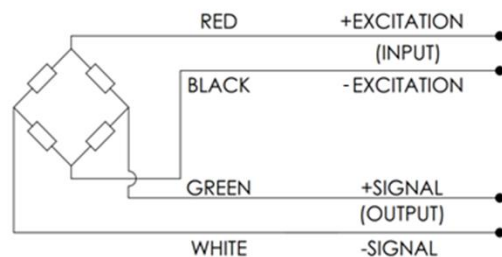
Model CTLB is a threaded load button for tension and compression load measurements up to 5000kg/ 10000lb. Fully welded cover (for SS load buttons), amplified and digitised versions are available on request. We can also customise this sensor for other thread sizes and cable sizes

Performance Specifications

| Parameter | Range | Notes |
|------------------------|--|--|
| Capacity (kg) | 1, 2, 5, 10, 20, 50, 100, 200, 500, 1000, 2000, 5000 | |
| Capacity (lb) | 2, 5, 10, 20, 50, 100, 200, 500, 1000, 2000, 5000, 10000 | |
| Output (mV/V) | 1 ± 20% for 1kg - 20kg and 2lb - 50lb 1.5 ± 20% for 50kg - 5000kg and 100lb - 10000lb | Amplified and digitised versions available to order. |
| Input impedance | 350 Ω nom. | |
| Output impedance | 350 Ω nom. | |
| Allowable maximum load | 150% full scale | No effect on performances |
| Non-linearity | ± 0.5% FS MAX | |
| Repeatability | ± 0.1% FS MAX | |
| Total error | ± 0.8% FS MAX | Non-linearity and hysteresis |
| Zero balance | 2% FS MAX | (10% FS MAX for welded versions) |
| Zero temp coefficient | 0.01% FS / °C | |
| Span temp coefficient | 0.02% FS / °C | |
| Compensated temp range | -15 °C TO 70 °C | Wider range available to order |
| Operating temp range | -20 °C TO 80 °C | Wider range available to order |
| Material | Al for 1kg - 20kg and 2lb - 50lb SS for 50kg - 5000kg and 100lb - 10000lb | |
| IP Rating | IP64 (IP67 for welded versions) | Welded versions available for SS load buttons |

Wiring

- The load button is provided a #32 AWG 4-conductor braided shielded cable with outer jacket, 0.086" [2.2 mm] diameter
- Standard cable lengths are 1m and 2m
- Connector with integrated TEDS chip is available to order



Dimensions

| Range | Capacity | D mm | H mm | L mm | T1 | T2 | B mm | G mm |
|---------|---------------------|------|------|------|-----|----|------|------|
| CTLB1 | 1 kg | 20 | 11 | 4 | M3 | M3 | 7 | 15 |
| | 2 kg | | | | | | | |
| | 5 kg | | | | | | | |
| | 10 kg | | | | | | | |
| | 20 kg | | | | | | | |
| | 50 kg | | | | | | | |
| | 100 kg | | | | | | | |
| | 200 kg | | | | | | | |
| | 2 lb | | | | | | | |
| | 5 lb | | | | | | | |
| | 10 lb | | | | | | | |
| | 20 lb | | | | | | | |
| | 50 lb | | | | | | | |
| | 100 lb | | | | | | | |
| 200 lb | | | | | | | | |
| 500 lb | | | | | | | | |
| CTLB2 | 500 kg | 25.4 | 15 | 5 | M5 | M4 | 7 | 18 |
| | 1000 kg | | | | | | | |
| | 2000 kg | | | | | | | |
| | 1000 lb | | | | | | | |
| | 2000 lb | | | | | | | |
| 5000 lb | | | | | | | | |
| CTLB3 | 5000 kg 10000 lb | 32 | 25 | 8 | M12 | M4 | 12 | 32 |

