



MODEL IDS635-M Series SDS Load cell

SDS LOAD CELL
HIGH PRECISION
& PERFORMANCE

Features

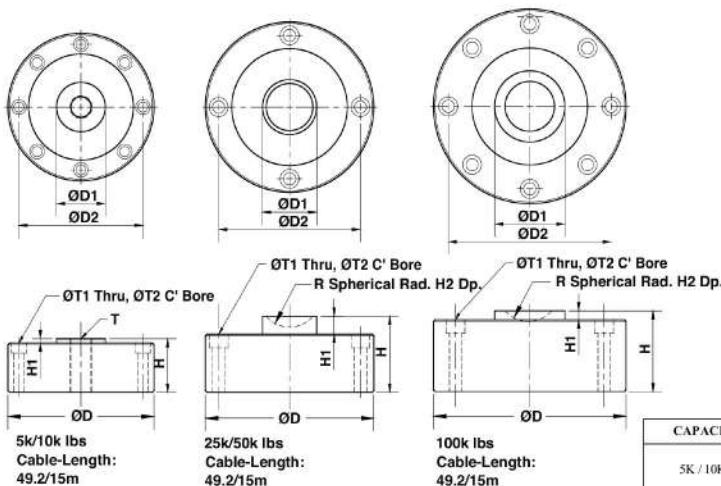
- Steel alloy construction
- Compression load cell
- Capacity : 5K , 10K , 25K, 50K, 100Klb



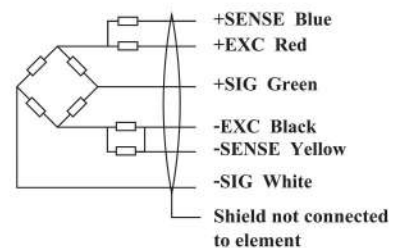
Specification

| PARAMETER | VALUE | UNIT |
|------------------------------------|-------------------------|---------------------------------|
| Capacity | 5k, 10k, 25k, 50k, 100k | lbs |
| Rated output | 4.0 | mV/V |
| Zero balance | 1 | mV/V |
| Input resistance | 385 ± 10 | Ohms |
| Output resistance | 350 ± 3 | Ohms |
| Non linearity | ± 0.050 | % R.O. |
| Hysteresis | ± 0.050 | % R.O. |
| Non-repeatability | 0.020 | % R.O. |
| Creep | ± 2 | µV / 12V / 80% R.O./1min |
| Zero shift | ± 2 | µV / 12V / 80% R.O./1min |
| Power on stability | ± 2 | µV / 12V / 2 min |
| Temperature effect on zero | ± 0.0015 | % R.O / 10 °C |
| Temperature effect on rated output | ± 0.0026 | % R.O / 10 °C |
| Operating temperature range | -10 ~ +40 | °C |
| Excitation recommended | 5 ~ 12 | V |
| Safe overload | 150 | % R.O. |
| Insulation resistance | ≥ 5000 (50 VDC) | Mega-Ohms |
| Cable , Length | ø 5 mm x 15 m | |

All specifications listed are subject to change without notice.



Color code of cable



| CAPACITY | | D | D1 | D2 | H | H1 | H2 | R | T | T1 | T2 |
|-------------|--------|-------|-------|-------|------|------|------|------|---|-----------|---------------|
| | | mm | 104.7 | 32 | 88.9 | 34.8 | 3.05 | - | - | 5/8-18UNF | 7.2 |
| | (inch) | 4.12 | 1.26 | 3.5 | 1.37 | 0.12 | - | - | - | 0.28 | 0.41 x 0.28DP |
| 25K / 50Klb | mm | 120.7 | 38.9 | 101.6 | 53.8 | 12.7 | 7.6 | 22.2 | - | 8.7 | 13.5 x 9.7DP |
| | (inch) | 4.75 | 1.53 | 4 | 2.12 | 0.5 | 0.3 | 0.87 | - | 0.34 | 0.53 x 0.28DP |
| 100Klb | mm | 138 | 50.4 | 116.8 | 57.2 | 6.4 | 7.6 | 22.2 | - | 10.13 | 16.5 x 11.0DP |
| | (inch) | 5.43 | 1.98 | 4.6 | 2.25 | 0.25 | 0.3 | 0.87 | - | 0.41 | 0.65 x 0.43DP |