



DESCRIPTION

TS is a high precision compression type load cell manufactured in various capacities from 10 tons to 50 tons. TS provides reliable precision in demanding industrial applications with nickel-plated alloy steel or stainless steel housing and hermetic sealing. TS can be used in a wide range of industrial weighing applications with mounting kits developed for TS.

APPLICATIONS

Truck Scales, Tank and Silo weighing, Heavy Duty Scales

TECHNICAL SPECIFICATIONS

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|-------------------------------|---------------------------------|-----------------------------------|---|
| Capacity | : 10, 20, 25, 30, 40, 50 Ton | Isolation Resistance | : $\leq 5000 \text{ M}\Omega$ (100VDC) |
| Accuracy Class | : C4 | Compensated Temperature | : $-10 \sim +40 \text{ }^\circ\text{C}$ |
| Minimum Load | : 0 kg | Operating Temperature | : $-30 \sim +70 \text{ }^\circ\text{C}$ |
| Maximum Intervals (nLC) | : 4000 | Excitation, Recommended Voltage | : 10 VDC |
| Minimum Verification Interval | : 15000 | Maximum Excitation Voltage (Umax) | : 15 VDC |
| Total Error | : $\pm 0.018 \text{ \%FS}$ | Safe Overload | : 150 % FS |
| Output Sensitivity (FS) | : $2.00 \pm 0.005 \text{ mV/V}$ | Ultimate Overload | : 300 % FS |
| Zero Balance | : $\pm 1 \text{ \%FS}$ | Ingress Protection (EN60529) | : IP 68 |
| Input Resistance | : $700 \Omega \pm 15 \Omega$ | Element Material | : Alloy Steel / Stainless Steel |
| Output Resistance | : $700 \Omega \pm 5 \Omega$ | Cable | : $4 \times 0.22 \text{ mm}^2$ |