



DESCRIPTION

DSBB is a high precision double-sided shear beam type load cell manufactured in various capacities from 10 tons to 40 tons. DSBB provides reliable precision in demanding industrial applications with nickel-plated alloy steel or stainless steel housing and hermetic sealing. DSBB is especially used in truck and vehicle scales. Thanks to its ball design, it does not make weighing errors due to lateral loads.

APPLICATIONS

Truck scales

TECHNICAL SPECIFICATIONS

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|-------------------------------|---------------------------------|-----------------------------------|---|
| Capacity | : 10, 15, 20, 30, 40 Ton | Isolation Resistance | : $\leq 5000 \text{ M}\Omega$ (100VDC) |
| Accuracy Class | : C3 | 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) | : 3000 | Excitation, Recommended Voltage | : 10 VDC |
| Minimum Verification Interval | : 10000 | Maximum Excitation Voltage (Umax) | : 15 VDC |
| Total Error | : $\pm 0.02 \text{ \%FS}$ | 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 | : $750 \Omega \pm 10 \Omega$ | Element Material | : Alloy Steel / Stainless Steel |
| Output Resistance | : $702 \Omega \pm 3 \Omega$ | Cable | : $4 \times 0.22 \text{ mm}^2$ |