



DESCRIPTION

FSH is a high precision spoke type load cell manufactured in various capacities 40, 60 and 100 tons. FSH provides reliable precision in demanding industrial applications with nickel-plated alloy steel housing and hermetic sealing. FSH can be used in a wide range of industrial weighing applications with mounting kits developed for FSH. FSH has more strain gauges than normal load cells with its arm type structure, therefore it is more sensitive and more resistant to lateral loads.

APPLICATIONS

Force testing machines, Tank and Silo weighing, Heavy Duty Scales

TECHNICAL SPECIFICATIONS

Capacity	: 40, 60, 100 Ton	Isolation Resistance	: $\leq 5000 \text{ M}\Omega$ (100VDC)
Accuracy Class	: C2	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)	: 2000	Excitation, Recommended Voltage	: 10 VDC
Minimum Verification Interval	: 10000	Maximum Excitation Voltage (Umax)	: 15 VDC
Total Error	: $\pm 0.03 \text{ \%FS}$	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 / IP 67
Input Resistance	: $750 \Omega \pm 30 \Omega$	Element Material	: Alloy Steel
Output Resistance	: $702 \Omega \pm 5 \Omega$	Cable	: $4 \times 0.22 \text{ mm}^2$