

YL5430 | Feed Machinery Load Cell



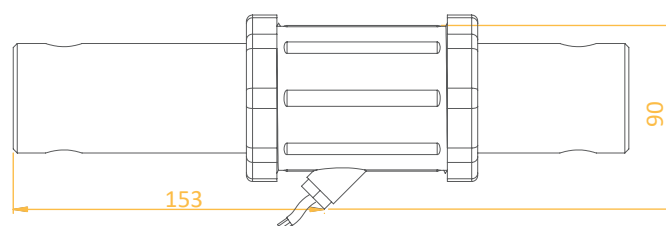
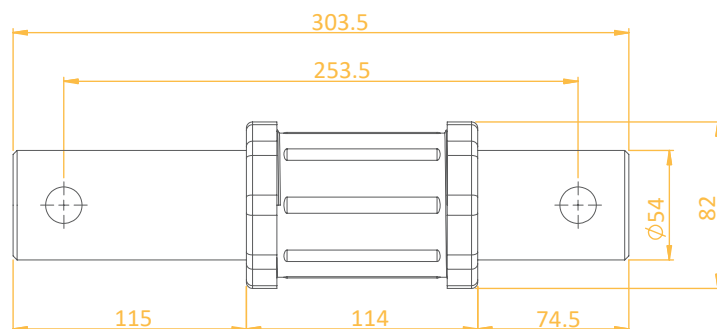
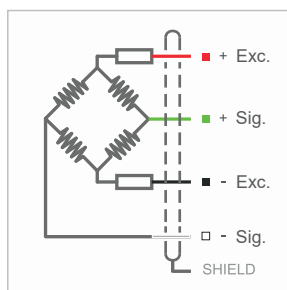
Product Description

The YL5430 Feed Mixer Machine Load Cell is specially designed for feed mixer machines and mobile weighing systems, offering a high-precision capacity of 4.3 tons. Its nickel-plated alloy steel body ensures durability and reliability under harsh industrial conditions. The sealed design allows for accurate measurements even during prolonged use. Its housing, made of durable plastic with seals on both sides, protects the measurement area from external factors such as dust and water, complying with the IP67 protection class.

Technical Specifications

Capacity	4.2 Ton	Insulation Resistance	$\leq 5000 \text{ M}\Omega$ (100 VDC)
Accuracy Class	D1	Compensated Operating Temperature	$-10 \sim +40 \text{ }^{\circ}\text{C}$
Min. Load	0 kg	Operating Temperature	$-30 \sim +70 \text{ }^{\circ}\text{C}$
Max. Division Count (nLC)	1000	Recommended Excitation Voltage	10 VDC
Min. Measuring Range ($Y = E_{\text{max}} / V_{\text{min}}$)	4000	Max. Excitation Voltage (U_{max})	15 VDC
Total Error	$\pm 0.05 \text{ \%FS}$	Overload Capacity	150 % FS
Output Gain (FS)	$0.900 \pm 0.05 \text{ mV/V}$	Breaking Load	300 % FS
Zero Balance	$\pm 1 \text{ \%FS}$	Protection Class	IP67
Input Resistance	$380 \Omega \pm 20 \Omega$	Material	Steel
Output Resistance	$351 \Omega \pm 3 \Omega$	Cable	4x0.22mm ² - 5 Metre

Technical Dimensions and Drawings



Application Areas

Feed Mixer Machines
Animal Weighing Scales
Mobile Weighing



LPTSENS
Load Cell and Industrial Weighing Systems