

Model 120

High Capacity Compression Load Cells

NEW!



Features

- Capacities: 10 - 50 tons (10,000 - 50,000 kg)
- Stainless steel finish
- Surge arrestors fitted
- Simple to install
- 0.02% total error
- 6 wire sense circuit
- Output tolerance 0.1%
- IP 68 Protection

Model 120 is a modern high capacity truck scale and silo load cell of low profile. Complete with its own unique rocker mounting.

Suitable for all heavy duty weighing applications the 120 gives the user high accuracy and low installation cost.

The 120 has a stainless steel housing to protect against corrosion. The alloy steel load adaptors are nickel plated.

Two additional sense wires feed back the voltage reaching the load cell. Complete compensation of change in lead resistance due to temperature change and/or cable extension, is achieved by feeding this voltage into the appropriate electronics.



EXCELLENCE IN LOAD CELLS

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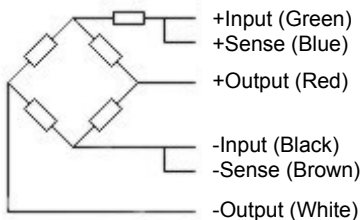
High Capacity Compression Load Cells

GRADE	E	F	G**	UNITS
Rated Capacities	10 - 20 - 30 - 50**			kg
Rated Output	1.5 ± 0.1%			mV/V
Total Error*	0.05	0.03	0.02	±% of Rated Output
Zero Return after 30 mins	0.05	0.03	0.02	±% of Applied Load
Temperature Effect: On Output	0.005	0.005	0.004	±% of Applied Load / °C
Temperature Effect: On Zero	0.01	0.006	0.004	±% of Rated Output / °C
Eccentric Loading	NA			±% of Applied Load
Zero Balance	1			±% of Rated Output
Temperature range: Operating	-20 to +60			°C
Temperature range: Compensated	-10 to +45			°C
Safe Overload	150			% of Rated Capacity
Ultimate Overload	200			% of Rated Capacity
Excitation: Recommended	10			Volts AC or DC
Excitation: Maximum	24			Volts AC or DC
Input Impedance	670 ± 10			Ohms
Output Impedance	605 ± 5			Ohms
Insulation Impedance	>2000			Mega Ohms
Deflection at Rated Capacity	<0.3			mm
Weight	10 - 20 - 30 tons 2.2 50 tons			kg
Construction	Stainless Steel Housing, Plated Alloy Steel Sensor			
Circuit Type	Unbalanced			
Environmental Protection	IP68			
Cable 10 - 20 - 30 ton	12m, 6 Wire, PVC Jacket, Floating Screen			
50 ton	15m, 6 Wire, PVC Jacket, Floating Screen			
Approvals				

*Total Error—According to OIML R60

** ≥ 100 ton capacity available to order

Wiring Schematic Diagram



Outline Dimensions All Capacities (in mm)

