Single-Point Alloy Steel Load Cell

FEATURES

- Capacity: 100 to 1500 kg
- Alloy steel construction
- Single-point 900 × 900mm platform
- IP66 protection
- **Optional**
  - Stainless steel construction



APPLICATIONS

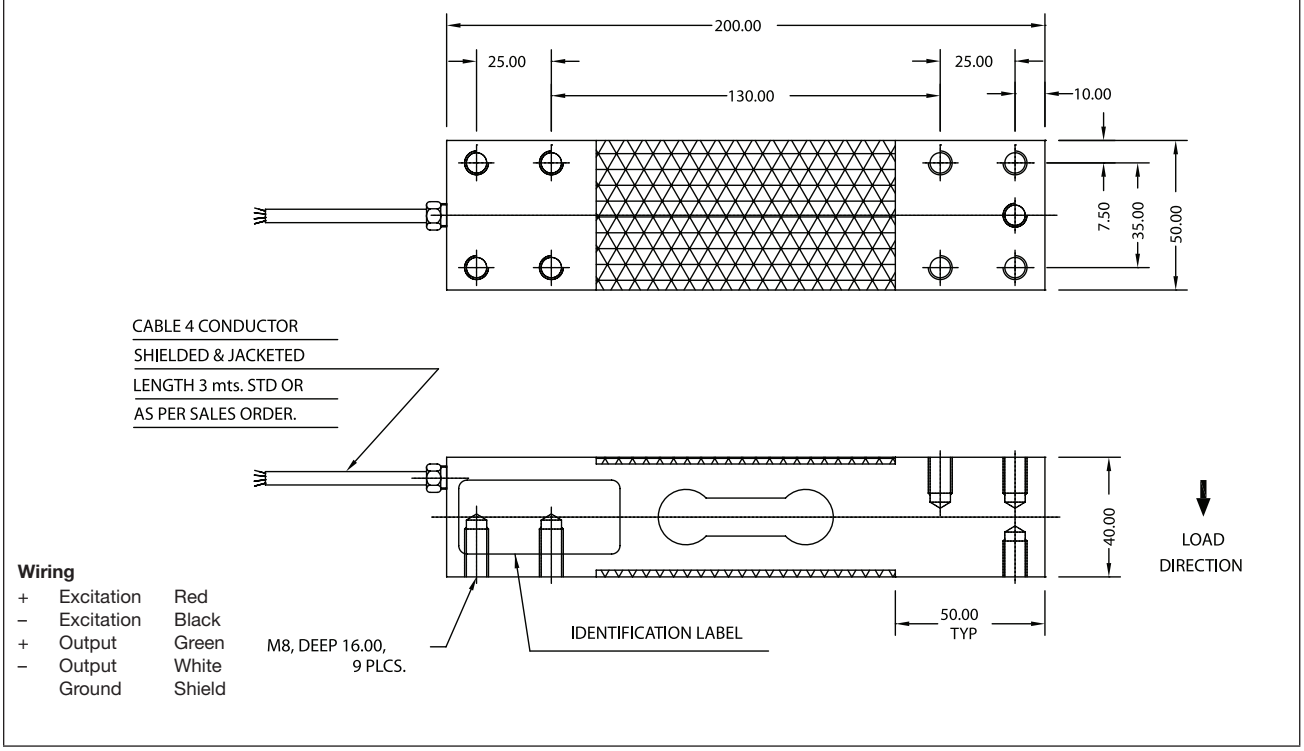
- Large platform scales
- Bench scales
- Counting scales
- Check weighing scales

DESCRIPTION

The Model 92001 is an alloy steel single-point load cell designed for direct mounting in large platform scale applications. The cost effective load cell is ideal for use in counting, bench and floor scales.

This model provides scale manufacturers with a high-accuracy, low-cost sensor for their most demanding technical requirements.

OUTLINE DIMENSIONS in millimeters



Wiring

+	Excitation	Red
–	Excitation	Black
+	Output	Green
–	Output	White
	Ground	Shield

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SPECIFICATIONS		
PARAMETER	**VALUE**	**UNIT**
Rated output-R.O.	2.0	mV/V
Rated output tolerance	10	± % FSO
Zero balance	1	± % FSO
Combined error	<0.030	± % FSO
Non-Linearity	<0.025	± % FSO
Hysteresis	<0.020	± % FSO
Non-repeatability	<0.010	± % FSO
Creep error (30 minutes)	<0.025	± % FSO
Temperature effect on zero	<0.002	± %/°C
Temperature effect on output	0.001	± %/°C
Operating temperature range	–20 to +70	°C
Maximum safe central overload	150	% FSO
Ultimate central overload	300	% FSO
Excitation, recommended	10	VDC
Excitation, maximum	15	VDC
Input impedance	360–450	Ω
Output impedance	349–355	Ω
Insulation resistance at 50 VDC	>1000	MΩ
Material	Alloy steel with electroless nickel-plated	
Environmental protection	IP66	
Platform size	Up to 900 × 900	mm

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