Model 1330

Tedea-Huntleigh

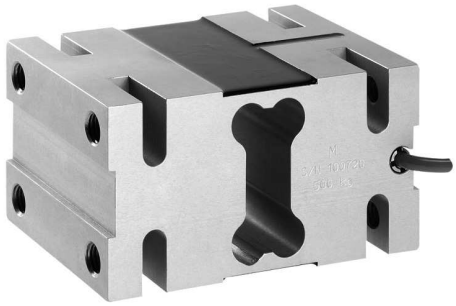
VPG force sensors

Celtron • Revere • Sensortronics • Tedea-Huntleigh

Aluminum Single-Point Load Cell

FEATURES

- Capacities 500–1000 kg
- Aluminum construction
- Single-point 800 x 800 mm platform
- Certified to OIML R60 3000d
- IP66 protection
- Available with metric threads



APPLICATIONS

- Large platform scales
- Hanging scales
- Check weighing

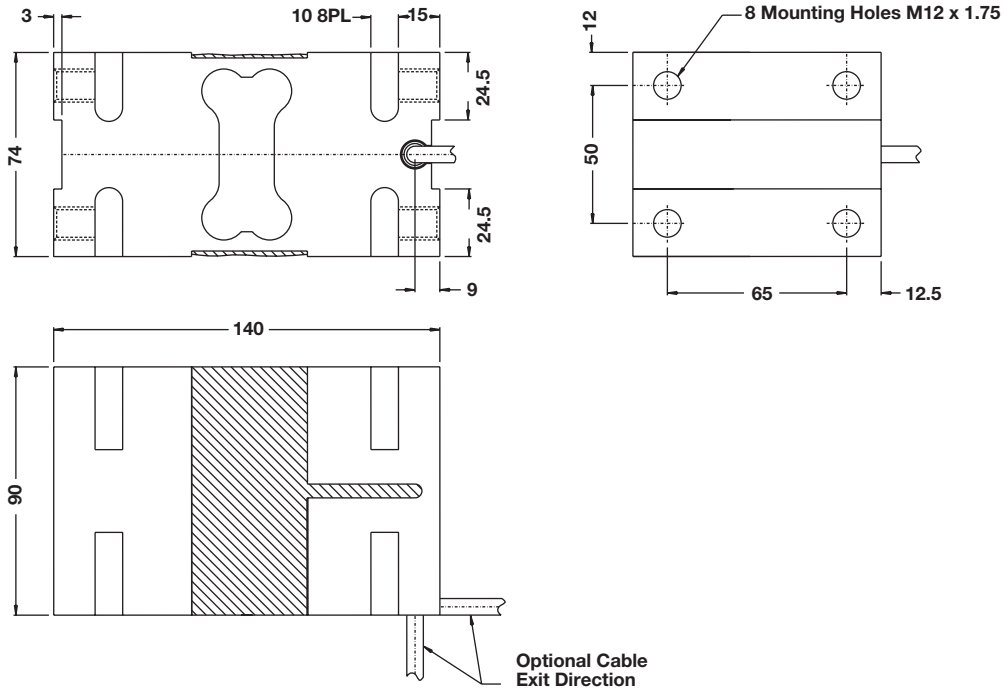
DESCRIPTION

The Model 1330 is a high capacity single-point load cell, designed for direct mounting of low profile high capacity weighing platforms up to 800 x 800 mm.

The large platform size simplifies the construction of floor scales, baggage scales, hanging scales and other types of weighing machines.

A special humidity resistant protective coating assures long-term reliability. The two additional sense wires feed back the voltage reaching the load cell. Complete compensation of changes in lead resistance, due to temperature change and/or cable extension, is achieved by feeding this voltage into the appropriate electronics.

OUTLINE DIMENSIONS in millimeters



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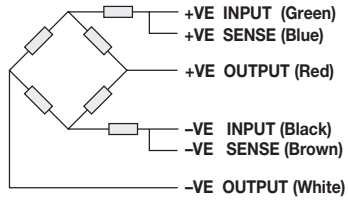
SPECIFICATIONS			
PARAMETER	**VALUE**		**UNIT**
Rated capacity—R.C. (E_{max})	500, 750, 1000		kg
NTEP/OIML accuracy class	Non-Approved	C3*	
Maximum no. of intervals (n)	1000	3000	
Y = E_{max}/V_{min}	2000	15000	Maximum available
Rated output—R.O.	2.0		mV/V
Rated output tolerance	0.2		±mV/V
Zero balance	0.2		±mV/V
Zero return, 30 min.	0.050	0.0170	±% of applied load
Total error	0.0300	0.0200	±% of rated output
Temperature effect on zero	0.0100	0.0023	±% of rated output/°C
Temperature effect on output	0.0030	0.0010	±% of applied load/°C
Eccentric loading error	0.0037	0.0025	±% of rated load/cm
Temperature range, compensated	–10 to +40		°C
Temperature range, safe	–20 to +70		°C
Maximum safe central overload	150		% of R.C.
Ultimate central overload	300		% of R.C.
Excitation, recommended	10		VDC or VAC RMS
Excitation, maximum	15		VDC or VAC RMS
Input impedance	415±15		Ω
Output impedance	350±3		Ω
Insulation resistance	>2000		MΩ
Cable length	3		m
Cable type	6-wire, braided, polyurethane, floating screen		Standard
Construction	Plated (anodized) aluminum		
Environmental protection	IP66		
Platform size (max)	800 x 800		mm
Recommended torque	130		N*m

* 50% utilization

All specifications subject to change without notice.

WIRING SCHEMATIC DIAGRAM
(Balanced temperature compensation)



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