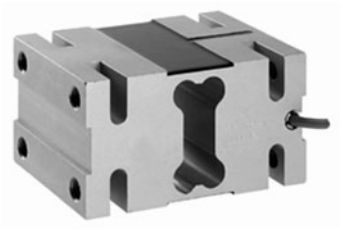
Model 1330

Vishay Tedea-Huntleigh

Aluminum Single Point Load Cell



FEATURES

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

OPTIONAL FEATURE

- EEx ia IIC T4 hazardous area approval

DESCRIPTION

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 800mm.

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

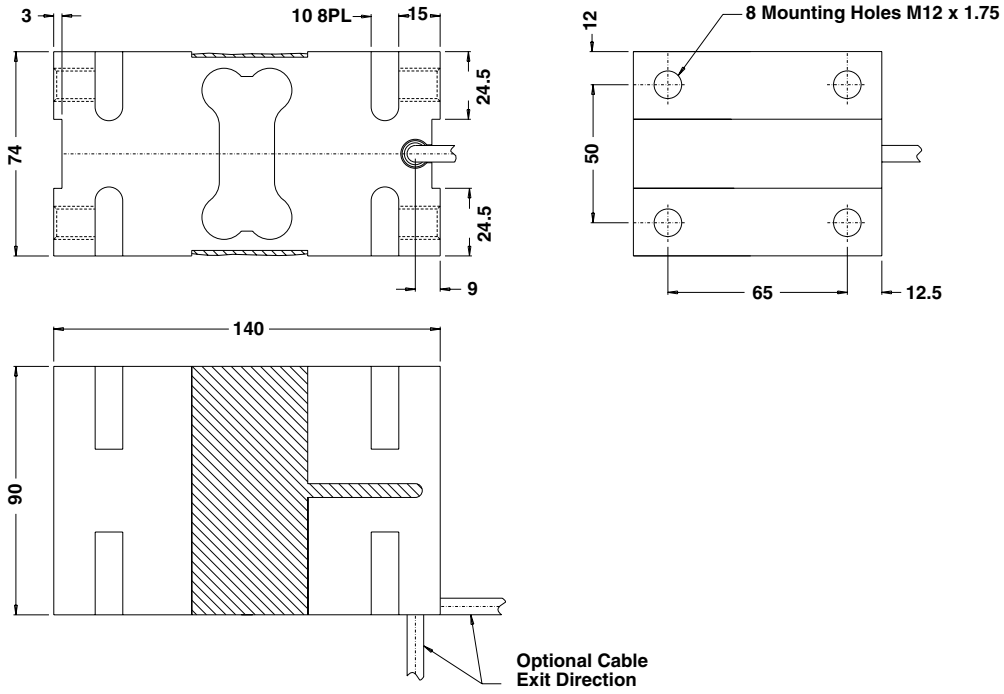
A special humidity resistant protective coating assures long term reliability.

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.

APPLICATIONS

- Large platform scales
- Hanging scales
- Check weighing

OUTLINE DIMENSIONS in mm

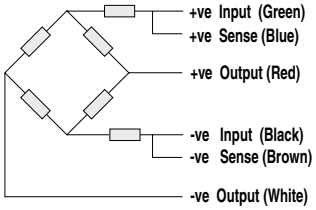


SPECIFICATIONS

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		Ohms
Output impedance	350±3		Ohms
Insulation resistance	>2000		Mega-Ohms
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

Wiring Schematic Diagram



BALANCED TEMPERATURE COMPENSATION

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