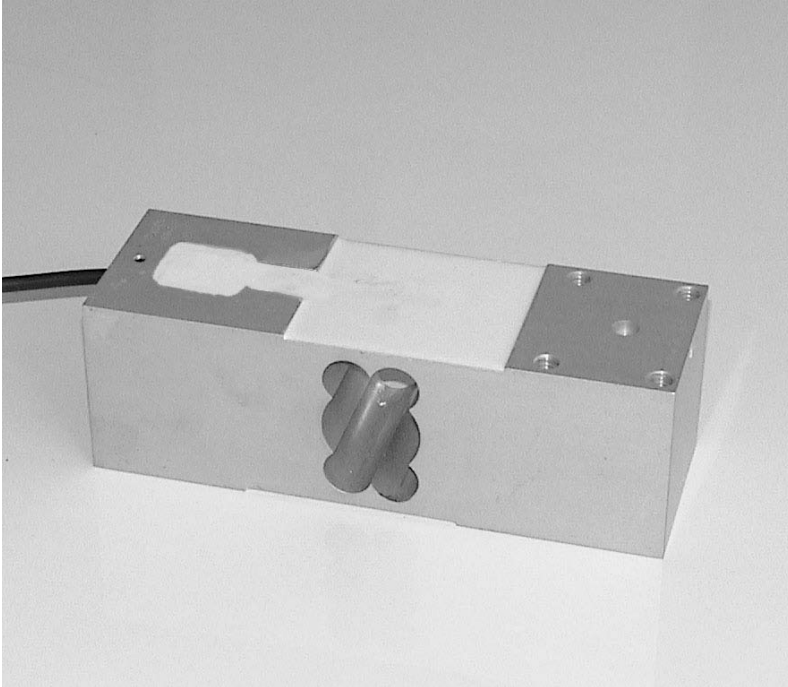


PA12

Single Point Aluminum Load Cell

TRUE-TEC

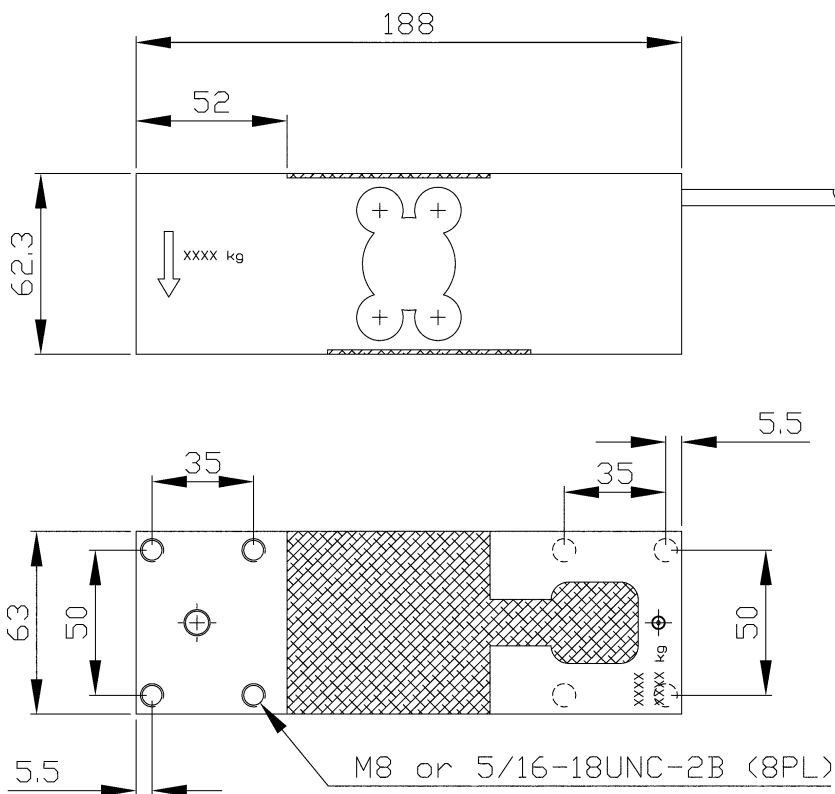
Quality by Advanced Technology



FEATURES

- Capacity 50-635kg
- Aluminum Construction
- Single point 600x600 mm platform
- Available with Metric and UNC threads
- IP66 protection
- Vishay 1260 Compatible

OUTLINE DIMENSIONS



MOUNTING

8.8 screws with socket head, tightening torque 20NM for capacities up to 250kg, and 25NM for capacities above 250kg

SPECIFICATION

PARAMETER	UNIT	VALUE		
		N	P	R
True-Tec Grade				
Rated capacity (E_{max})	kg	50, 75, 100, 150, 200, 250, 300, 500, 635		
Sensitivity	mV/V	2.00		
Sensitivity tolerance	± mV/V	0.20		
Zero balance	± mV/V	0.10		
$Y=E_{max}/v_{min}$	Maximum	3000	5400	12000
$Z=E_{max}/(2*DR)$	Minimum	2000	2500	3000
Temperature effect on output	± %/10 °C	0.014	0.010	0.010
Eccentric loading error	±%/cm	0.0057		
Maximum platform size	cm	60x60		
Nominal temperature range	°C	-10 to +45		
Service temperature range	°C	-30 to +70		
Limit load	% of R.C.	>150		
Break load	% of R.C.	>300		
Nominal excitation	V	10		
Max. excitation	V	15		
Input impedance	Ohm	408 ± 15		
Output impedance	Ohm	350 ± 3		
Insulation resistance	MOhm	>2000		
Compensation circuit type		Balanced Bridge		
Cable length	Meter	3.0		
Cable type		4x26 AWG, Black PVC Jacket*		
Color code		+exc -green, +sig -red, -exc -black, -sig -white		
Construction		Aluminum		
Protection class to IEC529		IP 66		

* 6 wire braided polyurethane cable is also available to order

APPLICATIONS

Model PA12 is a high performance, high capacity single point load cell designed for direct mounting of large weigh platforms, conveyers, hoppers or other industrial applications. The rugged construction offers high immunity to side forces.

A unique humidity resistant protective coating assures long term stability over the entire compensated temperature range even under harsh environments.

The PA12 provides scale manufacturers with a high accuracy low cost sensor to meet today's needs.

Due to True-Tec's Policy of continuous development, these specifications are subject to change without notice.
All details describe our products in general form only. They are not to be understood as express warranty and do not constitute any liability whatsoever.

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