

PA01

Single Point Aluminum Load Cell

TRUE-TEC

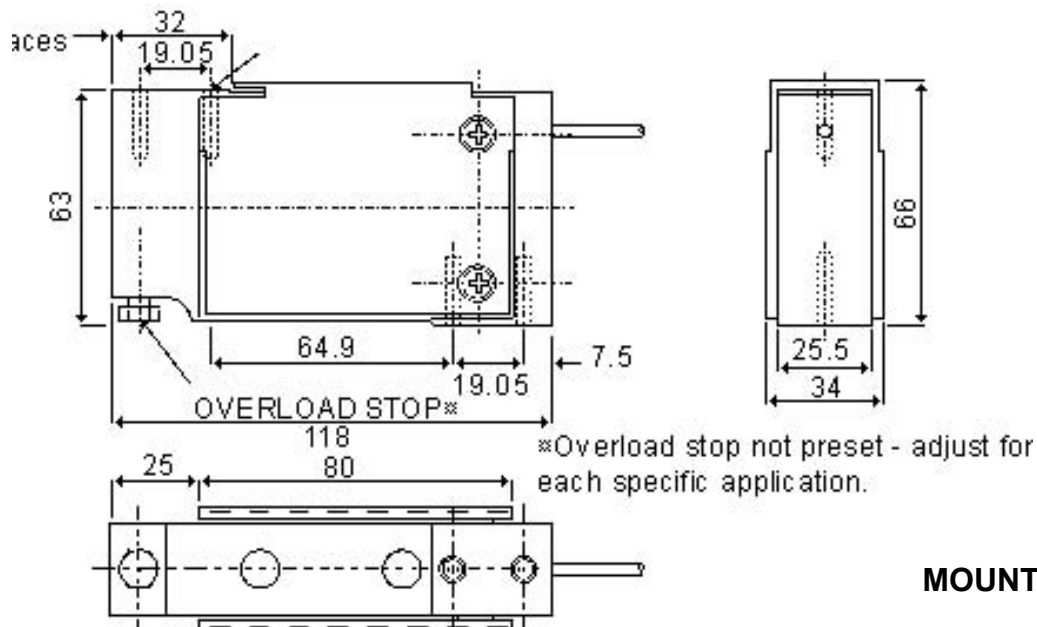
Quality by Advanced Technology



FEATURES

- Capacity 3-90kg
- Anodized Aluminum Construction
- Single point 400x400 mm platform
- Three Beam Structure
- 6 Wire with Sense Circuit
- Adjustable Overload Protection
- IP54 protection, IP67 available

OUTLINE DIMENSIONS



MOUNTING

M6 8.8 screws with socket head, tightening torque 7NM

SPECIFICATION

PARAMETER	UNIT	VALUE		
True-Tec Grade		N	P	R
Rated capacity (E_{max})	kg	3*,5,7,10,15,20,30,50*,90*		
Sensitivity	mV/V	2.00		
Sensitivity tolerance	± mV/V	0.20		
Zero balance	± mV/V	0.10		
Maximum Number of Intervals		2000	2500	3000
$Y=E_{max}/V_{min}$	Typical	3600	4500	6000
$Z=E_{max}/(2*DR)$	Typical	2000	2500	3000
Eccentric loading error	±%/cm	0.0074	0.0074	0.0049
Maximum platform size	cm	40x40		
Nominal temperature range	°C	-10 to +40		
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	406 ± 15		
Output impedance	Ohm	350 ± 3		
Insulation resistance	MOhm	>2000		
Compensation circuit type		Balanced Bridge		
Cable length	Meter	1.0		
Cable type		6x26 AWG, Black PVC Jacket		
Color code		+exc -green, +sen-blue, +sig-red, -exc-black, -sen-brown, -sig- white		
Construction		Aluminum		
Protection class to IEC529		IP 54, IP67 Optional		

Note: 3kg, 50kg and 90kg available in N grade only

APPLICATIONS

Model PA01 is a single point load cell designed for industrial applications where space is limited. Typical applications include bench scales, process weighing.

A special humidity resistant protective coating assures long-term stability over the entire compensated temperature range.

The PA01 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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