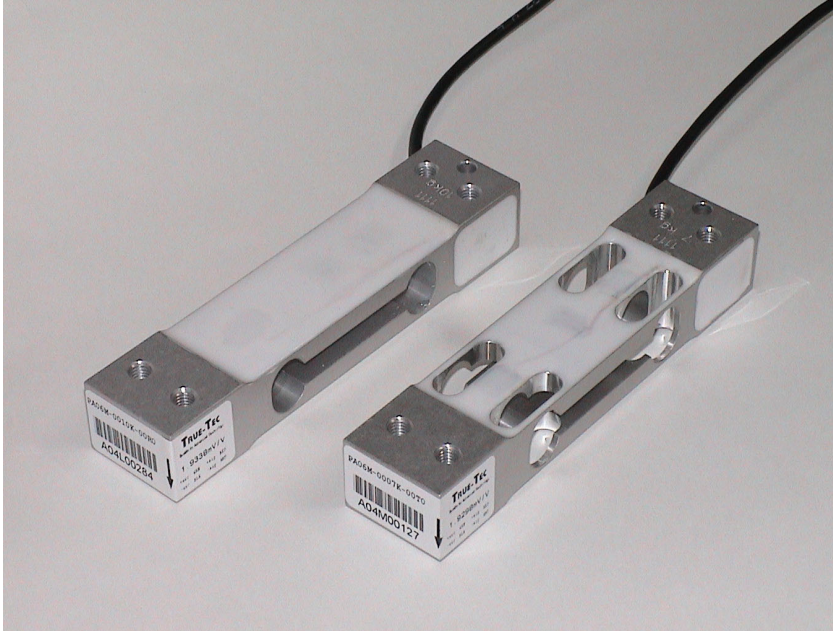


PA06B

Single Point Aluminum Load Cell

TRUE-TEC

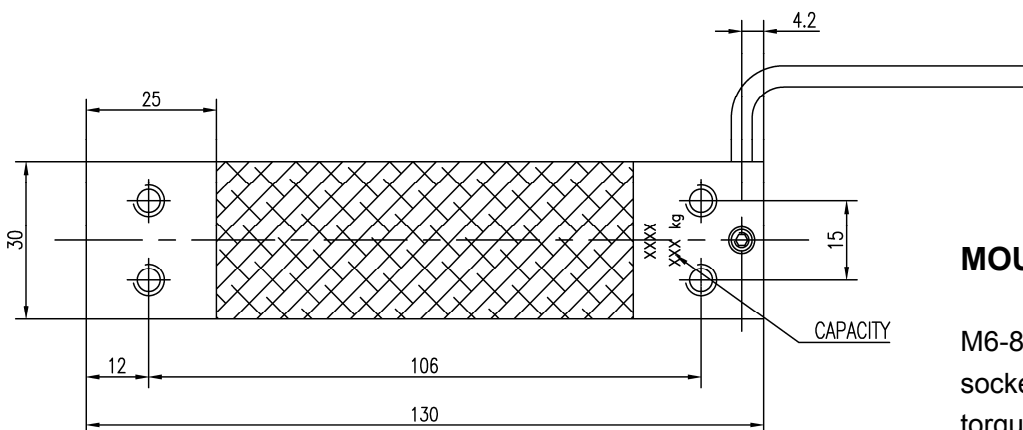
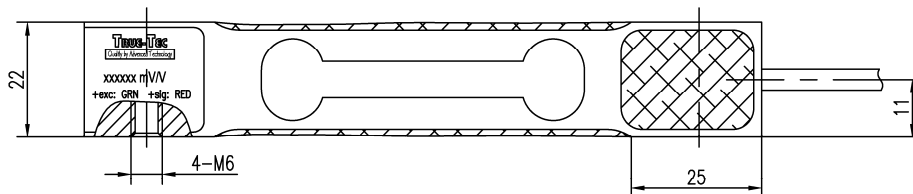
Quality by Advanced Technology



FEATURES

- Capacity 3-50kg
- Up to 100,000 divisions short term precision at room temperature
- Single point 350x350 mm platform
- IP66 protection
- Total error better than 0.0048% of Rated Output

OUTLINE DIMENSIONS



MOUNTING

M6-8.8 screws with socket head, tightening torque 7NM

SPECIFICATION

PARAMETER	UNIT	VALUE		
Rated capacity (E _{max})	kg	3, 5, 7, 10, 15, 20, 30, 35, 50		
True-Tec Grade		S	U	V*
Sensitivity	mV/V	2.00		
Sensitivity tolerance	± mV/V	0.20		
Zero balance	± mV/V	0.05		
Creep (From stable to 2min)	± %	0.0050	0.0033	0.0028
Creep over 30min	± %	0.0125	0.0100	0.0083
Temperature effect on zero	± %/ °C	0.0040	0.0040	0.0013
Temperature effect on output	± %/ °C	0.0014	0.0014	0.00058
Hysteresis	%	0.0045	0.0036	0.0033
Linearity deviation	%	0.0100	0.0060	0.0048
Repeatability	%	0.0050	0.0040	0.0030
Eccentric loading error	% /cm	0.0042	0.0042	0.0024
Nominal temperature range	°C	0 to +40		
Service temperature range	°C	-30 to +70		
Limit load	% of R.C.	200		
Break load	% of R.C.	300		
Nominal excitation	V	5		
Max. excitation	V	15		
Input impedance	Ohm	415 ± 15		
Output impedance	Ohm	350 ± 3		
Insulation resistance	MOhm	>2000		
Cable length	Meter	0.5		
Cable type		4 conductors, 28 AWG, Braid Shielded, Black PVC Jacket		
Color code		+Exc -Grn, +Sig-Red, -Exc-Blk, -Sig- Wht		
Construction		Aluminum, Sensor grounded to braid		
Compensation circuit type		Balanced Bridge		
Protection class to IEC529		IP 66		

Note: *-V grade is not OIML approved.

APPLICATIONS

Model PA06B is a low capacity, very high precision single point load cell.

The PA06B offers up to 100,000-divisions short term precision at room temperature. This load cell is suitable for applications including high precision counting scales, high precision balances, and low level force measurement.

The special designed sensor structure assures its high performance in back-to-zero, linearity, repeatability, and hysteresis.

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.

Beijing True-Tec Co., Ltd.

4/F, Bldg. 2, No. 8, Hong Da Bei Lu

BDA, Beijing 100176, China

Tel.: +86-10-67869219 Fax: +86-10-67862581

E-mail: info@true-tec.com

www.true-tec.com