

Single point load cell

Features

Capacity 0.2kg-3kg

Micro size

Easy to install

Alloy aluminum construction

High accuracy

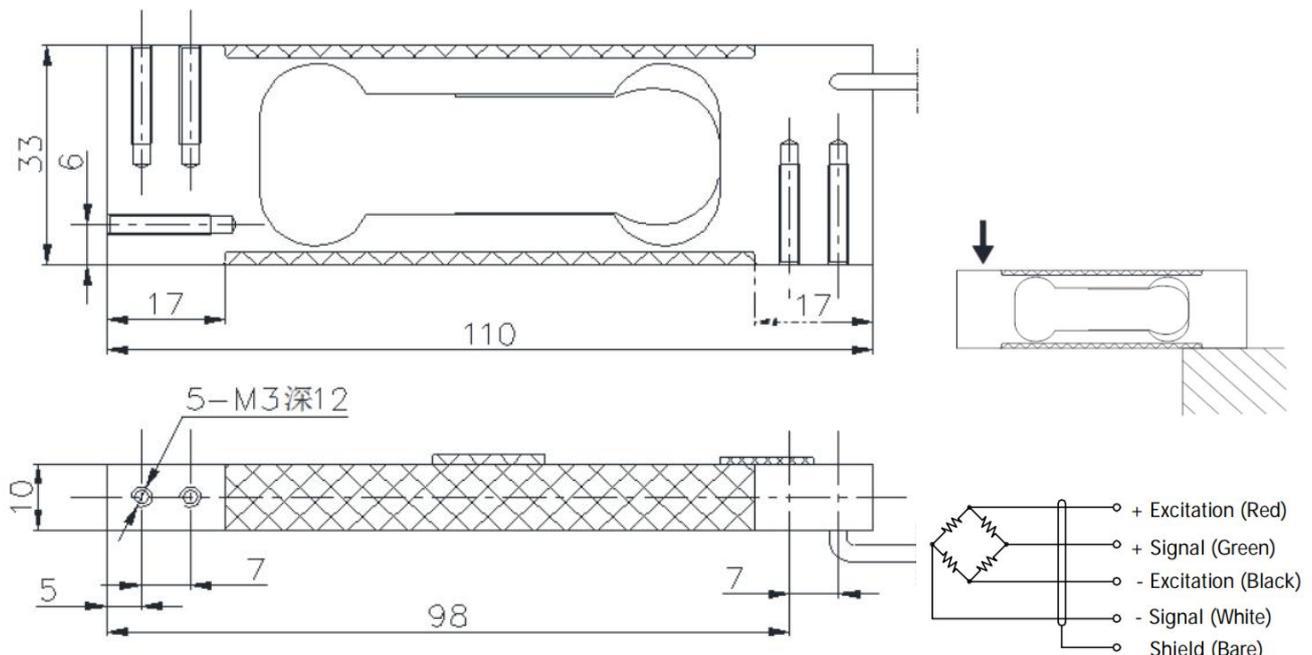
High stability



DESCRIPTION

The ZMPA is a series of low capacity, aluminium single-point load cells intended for a wide range of industrial applications. Due to the compact design, the ZMPA can be integrated into low-capacity weighing machinery, medical devices and general machinery for process automation and control. The load cell has a range of capacities It features full-bridge, bonded-foil strain gauge technology, which offers excellent long-term stability.

DIMENSIONS (mm)



SPECIFICATIONS

PARAMETER	VALUE	UNIT
Standard capacities (E _{max})	0.2-3	KG
Rated output-R.O.	2.0	mV/V
Zero balance	1	±% of rated output
Non linearity	0.03	±% of rated output
Hysteresis	0.03	±% of rated output
Non-repeatability	0.02	±% of rated output
Creep error (30 minutes)	0.03	±% of rated output
Zero return (30 minutes)	0.03	±% of rated output
Temperature effect on min. dead load output	0.0026	±% of rated output/°C
Temperature effect on sensitivity	0.0015	±% of rated output/°C
Compensated temperature range	-10 to +40	°C
Operating temperature range	-20 to +60	°C
Safe overload	150	% of R.C
Ultimate overload	200	% of R.C
Excitation, recommended	10	Vdc
Excitation, maximum	15	Vdc
Input resistance	370±20	Ohms
Output resistance	350±3	Ohms
Insulation resistance	5000	Mega-Ohms
Material	Alloy aluminum	
Protection class	IP66	

All specifications listed subject to change without notice.