

Compression load cell



Features

Capacity 10kg-300kg

Loading for compression

Rational outputs

Stainless steel

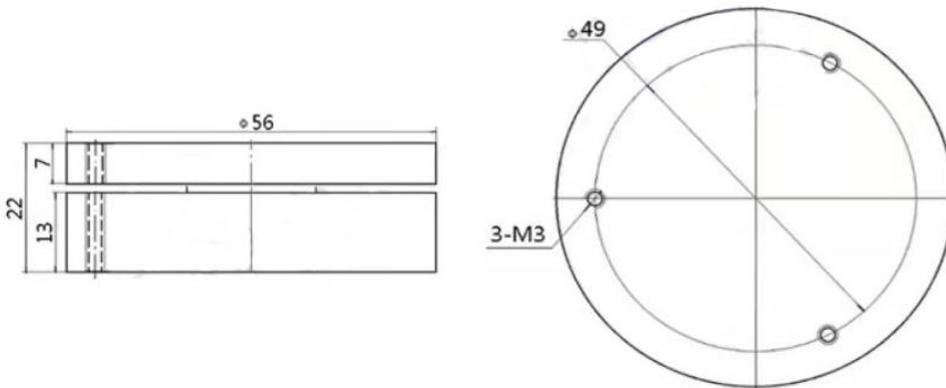
Optional features

Hermetically sealed available

DESCRIPTION

The ZMC1 has various capacities. From 10kg to 300kg, we provide customization services. ZMC1 receives compression when it is working. With its high accuracy, it will give a strong and stable signal. The small size gives excellent performance for high capacity loading. ZMC1 is constructed of stainless steel and is potted to IP67 providing excellent protection against moisture and humidity.

DIMENSIONS



Wiring diagram

+ Excitation	Red
- Excitation	Black
+ Signal	Green
- Signal	White

SPECIFICATIONS

PARAMETER	VALUE	UNIT
Standard capacities (E _{max})	10, 50, 100, 300	KG
Rated output-R.O.	2.0	mV/V
Zero balance	1	±% of rated output
Non linearity	0.05	±% of rated output
Hysteresis	0.05	±% 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	380±10	Ohms
Output resistance	350±3	Ohms
Insulation resistance	5000	Mega-Ohms
Material	Stainless steel	
Protection class	IP67	

All specifications listed subject to change without notice.