

# Button Load Cell



## Features

Capacity 5kg-5t

Button type load cell

Low profile

Stainless steel

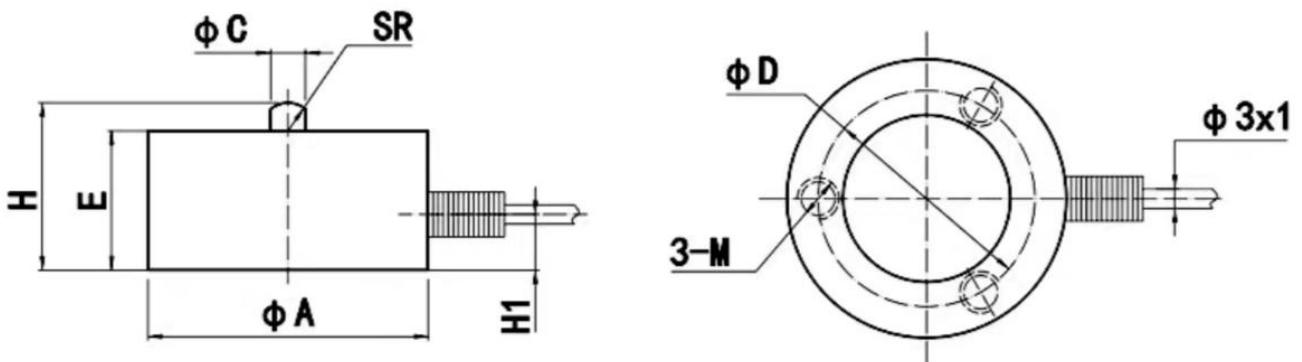
## Optional features

Hermetically sealed available

## DESCRIPTION

The ZMMA is constructed from stainless steel and protected from moisture with an epoxy bonded cover. ZMMA is configured for compression force measurement. Full-bridge, bonded foil strain gauge technology provides excellent long-term stability and ensures high performance even in applications requiring in excess of 1 million load cycles.

## DIMENSIONS



	$\Phi A$	$\Phi C$	$\Phi D$	H	E	M	H1	SR
5-200kg	20	2.5	15.5	12	10	M3	2.7	2
300-1000kg	26	5	18.5	15	11.5	M4	3.5	6
1-2t	26	5	18.5	15	12.5	M4	4.5	20
3-5t	37.7	10.8	31	15.4	14	M2.5	3.5	50

## SPECIFICATIONS

PARAMETER	VALUE	UNIT
Standard capacities (E <sub>max</sub> )	5-5000	KG
Rated output-R.O.	1.0-2.0	mV/V
Zero balance	1	±% of rated output
Non linearity	0.1	±% of rated output
Hysteresis	0.1	±% of rated output
Non-repeatability	0.05	±% of rated output
Creep error (30 minutes)	0.05	±% of rated output
Zero return (30 minutes)	0.05	±% 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	IP66	

All specifications listed subject to change without notice.