

# S type load cell



## Features

Capacity 10kg-300kg

High accuracy

S beam structure

Nickel plated alloy steel

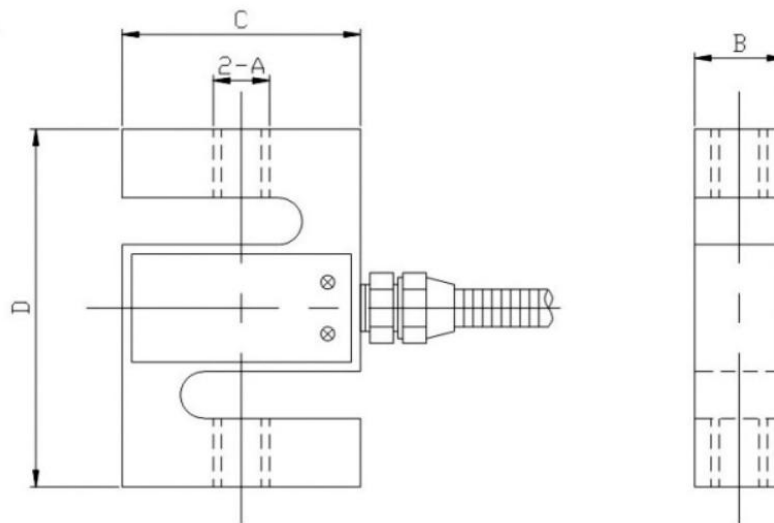
## Optional features

Optional output(4-20mA,0-5V)

## DESCRIPTION

The ZMSAA S type tension load cell offers a wide range of capacities, extending from 10kg to 300kg. Constructed from alloy steel with an electroless nickel-plated surface, it's a robust and reliable choice. We provide optional amplifier which converts analog signal into 4-20mA, 0-5V or 0-10V.

## DIMENSIONS (mm)



	A	B	C	D
10kg-40kg	M8×1.25	12.7	50.8	63.5
50kg-300kg	M12×1.75	19	50.8	76.2

## SPECIFICATIONS

PARAMETER	VALUE	UNIT
Standard capacities (E <sub>max</sub> )	10-300	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)	0.02	±% 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 steel	
Protection class	IP66	

All specifications listed subject to change without notice.