



SDS LOAD CELL
HIGH PRECISION
& PERFORMANCE

MODEL IDS638 Series SDS Load cell

Features

- Stainless steel IP68 compression load cell
- Hermetically sealed
- Suitable for hopper scales and vehicle testing facilities
- Built in surge arrestors



Compatible with BM14G4 ZEMIC

Specification

PARAMETER	VALUE	UNIT
Capacity	30	T
Rated output	2.0 ± 0.02	mV/V
Zero balance	± 1.0	mV/V
Input resistance	700 ± 7	Ohms
Output resistance	700 ± 7	Ohms
Non linearity	± 0.03	% R.O.
Hysteresis	± 0.03	% R.O.
Non-repeatability	0.02	% R.O.
Creep	± 2	$\mu\text{V} / 12\text{V} / 80\% \text{ R.O.} / 1\text{min}$
Zero shift	± 2	$\mu\text{V} / 12\text{V} / 80\% \text{ R.O.} / 1\text{min}$
Power on stability	± 2	$\mu\text{V} / 12\text{V} / 2 \text{ min}$
Temperature effect on zero	± 0.0013	% R.O. / 10 °C
Temperature effect on rated output	± 0.0025	% R.O. / 10 °C
Operating temperature range	-35 ~ +65	°C
Excitation recommended	5 ~ 12	V
Safe overload	150	% R.O.
Insulation resistance	≥ 5000 (50 VDC)	Mega-Ohms
Cable , Length	$\phi 5 \text{ mm} \times 15 \text{ m}$	

All specifications listed are subject to change without notice.

