



MODEL IDS612 Series

SDS Load cell

SDS LOAD CELL
HIGH PRECISION
& PERFORMANCE

Features

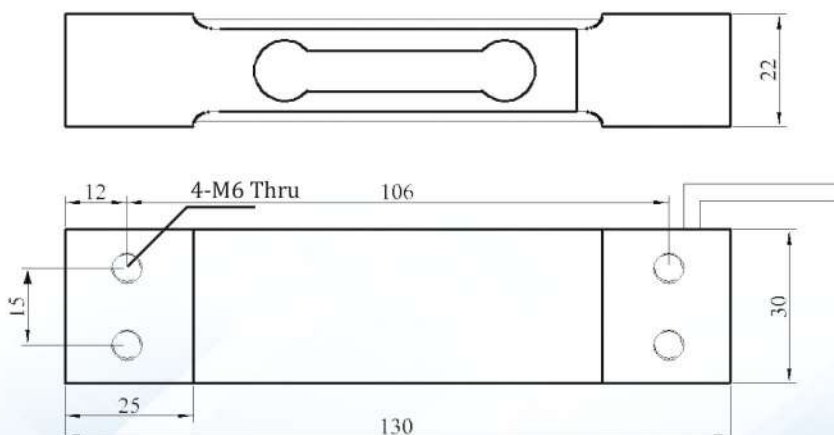
- Single point load cell
- Aluminium construction
- Japanese technology applied
- Special rubber for high humidity protection



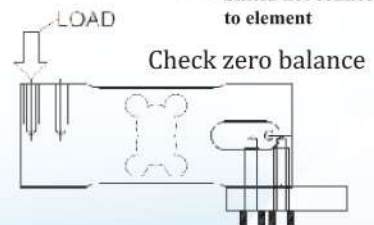
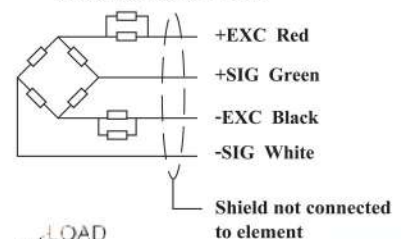
Specification

PARAMETER	VALUE	UNIT
Capacity	3, 6, 10, 20, 30, 40, 50	kg
Rated output	2 ± 0.2	mV/V
Zero balance	± 0.05	mV/V
Input resistance	410 ± 10	Ohms
Output resistance	350 ± 3	Ohms
Non linearity	± 0.012	% R.O.
Hysteresis	± 0.012	% R.O.
Non-repeatability	0.01	% 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	± 0.05	% R.O. / 10 °C
Temperature effect on rated output	± 0.02	% R.O. / 10 °C
Excitation recommended	5~15	V
Safe overload	150	% R.O.
Insulation resistance	≥ 5000 (50 VDC)	Mega-Ohms
Cable, Length	$\varnothing 4\text{mm} \times 0.4\text{m}$	

All specifications listed are subject to change without notice.



Color code of cable



Bottom frame