



# MODEL IDS645 Series SDS Load cell

SDS LOAD CELL  
HIGH PRECISION  
& PERFORMANCE

## Features

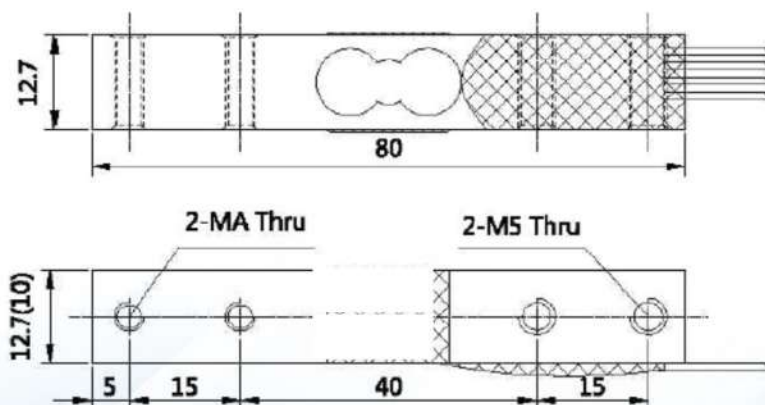
- Aluminium construction
- High precision
- Single point load cell for balance



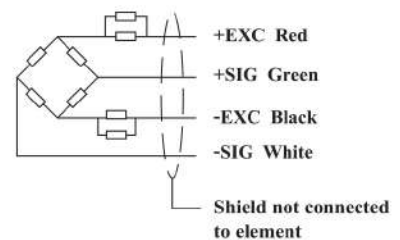
## Specification

PARAMETER	VALUE	UNIT
Capacity	1, 2, 3, 5, 6, 10, 20	kg
Rated output	0.85 ± 0.2	mV/V
Zero balance	± 0.1	mV/V
Input resistance	1130 ± 20	Ohms
Output resistance	1000 ± 10	Ohms
<b>Non linearity</b>	<b>± 0.01</b>	<b>% R.O.</b>
<b>Hysteresis</b>	<b>± 0.01</b>	<b>% R.O.</b>
Non-repeatability	0.02	% R.O.
Creep	± 2	μV / 12V / 80% R.O./1min
<b>Zero shift</b>	<b>± 2</b>	<b>μV / 12V / 80% R.O./1min</b>
<b>Power on stability</b>	<b>± 2</b>	<b>μV / 12V / 2 min</b>
Temperature effect on zero	± 0.05	% R.O / 10 °C
Temperature effect on rated output	± 0.02	% R.O / 10 °C
Operating temperature range	-10 ~ +40	°C
Excitation recommended	4 ~ 12	V
Safe overload	150	% R.O.
Insulation resistance	≥ 5000 (50 VDC)	Mega-Ohms
Cable , Lenght	ø 4 wire x 0.2 m	

All specifications listed are subject to change without notice.



Color code of cable



Bottom frame