



# MODEL IDS618 Series SDS Load cell

SDS LOAD CELL  
HIGH PRECISION  
& PERFORMANCE

## Features

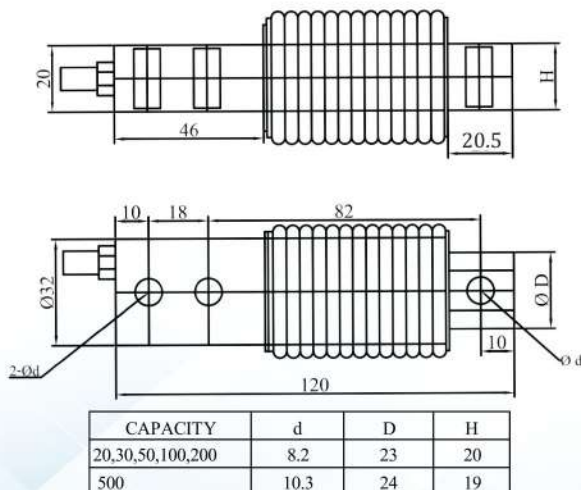
- Stainless steel construction
- Capacity 5 -500 kg
- IP 68 protection



## Specification

PARAMETER	VALUE	UNIT
Capacity	20, 30, 50, 100, 200, 500	kg
Rated output	$2 \pm 0.2$	mV/V
Zero balance	$\pm 0.05$	mV/V
Input resistance	$385 \pm 10$	Ohms
Output resistance	$350 \pm 3$	Ohms
<b>Non linearity</b>	<b><math>\pm 0.02</math></b>	<b>% R.O.</b>
<b>Hysteresis</b>	<b><math>\pm 0.02</math></b>	<b>% R.O.</b>
Non-repeatability	0.02	% R.O.
Creep	$\pm 2$	$\mu\text{V} / 12\text{V} / 80\% \text{ R.O.} / 1\text{min}$
<b>Zero shift</b>	<b><math>\pm 2</math></b>	<b><math>\mu\text{V} / 12\text{V} / 80\% \text{ R.O.} / 1\text{min}</math></b>
<b>Power on stability</b>	<b><math>\pm 2</math></b>	<b><math>\mu\text{V} / 12\text{V} / 2 \text{ min}</math></b>
Temperature effect on zero	$\pm 0.05$	% R.O. / 10 °C
Temperature effect on rated output	$\pm 0.02$	% R.O. / 10 °C
Operating temperature range	-10 ~ +40	°C
Excitation recommended	5 ~ 15	V
Safe overload	120	% R.O.
Insulation resistance	$\geq 5000$ (50 VDC)	Mega-Ohms
Cable , Length	$\varnothing 4 \text{ mm} \times 3 \text{ m}$	

All specifications listed are subject to change without notice.



Color code of cable

