



DESCRIPTION

ADI Web Sensor is a strain gauge based load cell with good temperature & linearity. It has good surface protection with nickel plating.



APPLICATIONS

- It is designed to measure web tension on most type of web processing machinery used in Paper, Plastic film, Printing, Textile & Other industries.

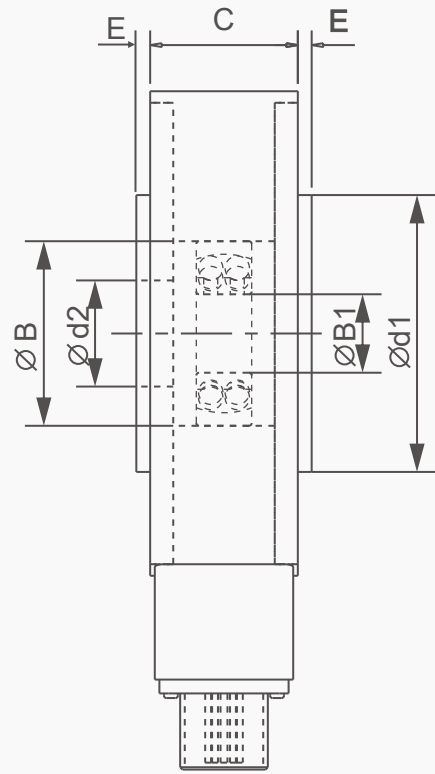
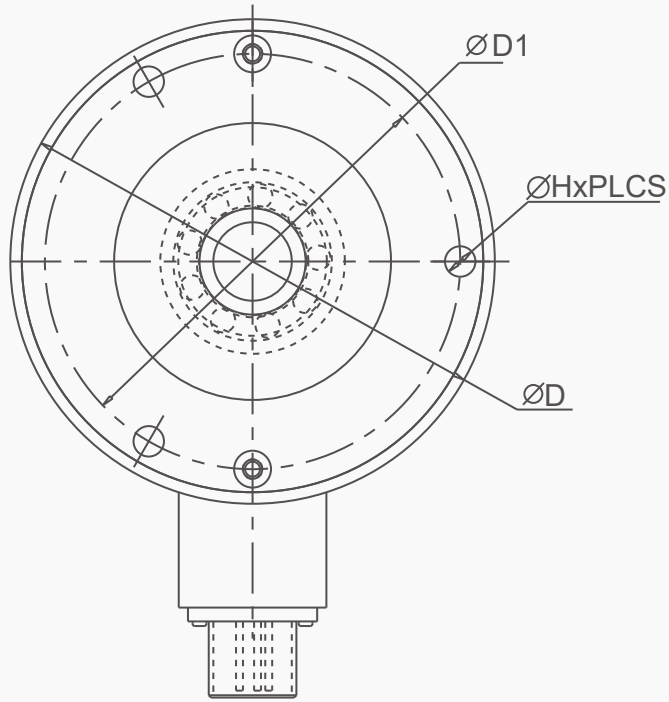


KEY FEATURES

- Upto tenfold overloading
- Self-aligning bearing
- Different shaft diameter

SPECIFICATIONS

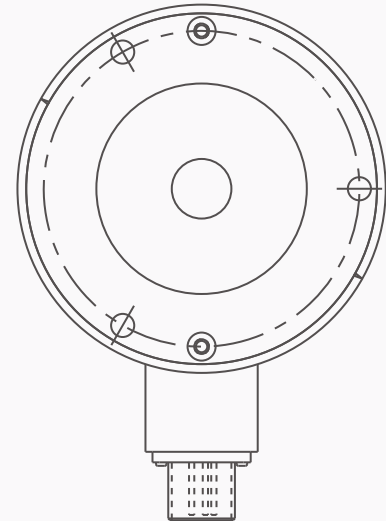
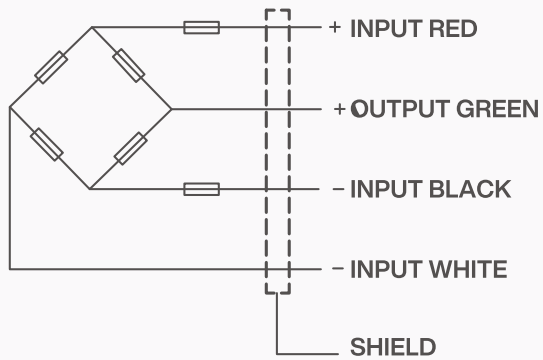
Rated capacity (Kgf)	: 10, 20, 50, 75, 100, 150
Excitation Voltage	: 10VDC-Maximum 15 VDC
Rated Output	: 1.0 mV/V
Non – Linearity	: $< \pm 0.2 \% \text{ FSO}$ (Full scale Output)
Hysteresis	: $< \pm 0.02 \% \text{ FSO}$
Non-Repeatability	: $< \pm 0.1 \% \text{ FSO}$
Creep error (30 minutes)	: $< \pm 0.03 \% \text{ FSO}$
Zero Load Output	: $\pm 1.0 \% \text{ FSO}$
Input Resistance	: $375 \pm 15 \text{ Ohms}$
Output Resistance	: $350 \pm 5 \text{ Ohms}$
Insulation Resistance	: $> 1000 \text{ Mega Ohms}$
Safe Overload	: 150 % of Rated Capacity
Ultimate Overload	: 250 % of Rated Capacity
Temperature Compensated Range	: 0 to 60° C
Temperature Effect on Output	: $< 0.04 \% \text{ FSO}/^{\circ} \text{C}$
Temperature Effect on Zero	: $< 0.04 \% \text{ FSO}/^{\circ} \text{C}$
Deflection	: $< 0.5 \text{ mm at FSO}$
Finish & Construction	: Electroless Nickel Plated Tool Steel



Loading Direction



Electrical Termination



Capacity (Kg)	$\varnothing D$	$\varnothing D1$ PCD	$\varnothing d1$	$\varnothing d2$	$\varnothing B$	$\varnothing B1$	C	E	$\varnothing H \times PLCS$	Bearing No.
10,20,50	105	90	60	23	40	17	32	3	6.6 x 3	1203S
50, 75,100 150	125	105	70	34	52	25	40	3	8.5 x 3	1205S



ADI CONTROLS

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