

# AST-221

## “S” TYPE LOAD CELL



### DESCRIPTION :

AST-221 is a ultra high accuracy S-beam load cell suitable for both tension and compression modes.

### APPLICATIONS :

- Industrial Automation
- Universal Testing Applications
- Conversion of mechanical scale
- Tank, Bag weighing

### KEY FEATURES :

- Universal load capability
- Alloy Tool Steel construction
- Wide capacity range
- Highly precise

### SPECIFICATIONS :

Rated capacity (Kgf.)	: 10
Excitation Voltage	: 10VDC-Maximum 15 VDC
Rated Output	: 2.0 mV/V
Non – Linearity	: < $\pm 0.025$ % FSO (Full scale Output)
Hysteresis	: < $\pm 0.02$ % FSO
Non-Repeatability	: < $\pm 0.01$ % FSO
Creep error (30 minutes)	: < $\pm 0.03$ % FSO
Zero Load Output	: $\pm 1.0$ % FSO
Input Resistance	: $375 \pm 15$ Ohms
Output Resistance	: $350 \pm 5$ Ohms
Insulation Resistance	: > 1000 Mega Ohms
Side Load Allowed	: 50 % of Rated Capacity
Safe Overload	: 150 % of Rated Capacity
Ultimate Overload	: 250 % of Rated Capacity
Temperature Compensated Range	: 0 to 60° C
Temperature Effect on Output	: < 0.0015 % FSO/° C
Temperature Effect on Zero	: < 0.002 % FSO/° C
Deflection	: < 0.5 mm at FSO
Tightening Torque	: Refer Table
Finish & Construction	: Aluminium
Environment Protection	: IP 65



## ADI CONTROLS

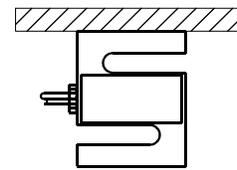
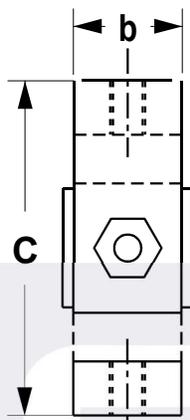
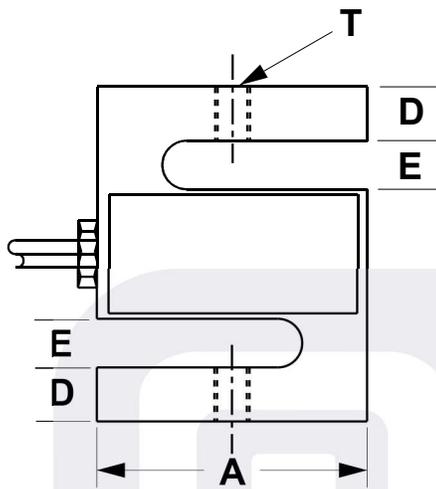
1B,1C POR INDUSTRIAL PARK  
BEHIND SAHYOG HOTEL  
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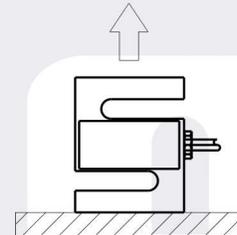
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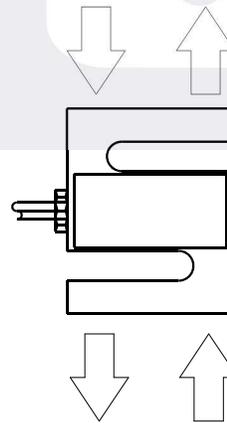
# Loading Direction



Hanging

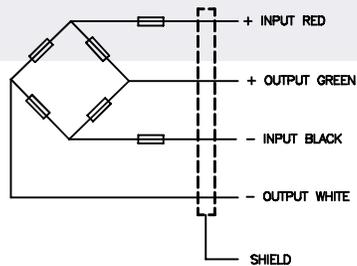


Floor Mounting



Tension or  
Compression Load

## Electrical Termination



CAPACITY	A	b	C	D	E	THREAD T
10 Kg	40	10	40	10	10	M5 x 0.8 mm



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