

# BENDING BEAM LOAD CELL

## PRODUCT DATASHEET



### PRECISION WEIGHING & FORCE MEASUREMENT

The Jragrau Bending Beam Load Cell is a compact and rugged force sensor designed for accurate low-capacity weighing applications. Built with strain gauge technology, it delivers stable and repeatable performance in industrial environments where reliability and precision are critical.

### KEY FEATURES

- Strain gauge based sensing element
- High accuracy and repeatability
- Rugged industrial construction

### APPLICATIONS

- Testing and material testing machines
- Food, paper, and textile industries
- Automotive and industrial weighing systems

### TECHNICAL SPECIFICATIONS

PARAMETER	METRIC (SI)
Capacity	300 g to 2 kgf
Sensitivity	2 mV/V $\pm$ 1%
Non-Linearity	0.02 % F.S.
Repeatability	0.02 % F.S.
Hysteresis	0.02 % F.S.
Creep	0.02 % F.S. / 30 min
Zero Balance	$\pm$ 0.5 % F.S.
Zero Temperature Coefficient	$\pm$ 0.002 % F.S. / $^{\circ}$ C
Rated Output Temperature Coefficient	$\pm$ 0.002 % F.S. / $^{\circ}$ C

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### PHYSICAL & BUILD

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- Compact bending beam structure
- Designed for low-capacity applications

**Construction:** Rugged industrial design

### ELECTRICAL CHARACTERISTICS

LABEL	VALUE
Input Resistance	380 $\Omega$ $\pm$ 10 $\Omega$
Output Resistance	350 $\Omega$ $\pm$ 1 $\Omega$
Recommended Supply Voltage	5–12 V DC/AC
Maximum Supply Voltage	20 V DC
Insulation Resistance	> 5000 M $\Omega$
Cable	4-core silver plated shielded, 0.5 m

