

LOW PROFILE LOAD CELL

PRODUCT DATASHEET



COMPACT HIGH-CAPACITY COMPRESSION MEASUREMENT

Jragrau Low Profile Load Cells are engineered for high-accuracy compression measurement in applications with limited installation space. The robust stainless steel construction ensures excellent repeatability, long-term stability, and reliable performance under heavy compression loads in demanding industrial environments.

KEY FEATURES

- Low profile compact design for space-constrained installations
- High accuracy strain gauge based compression measurement
- Robust stainless steel construction for long-term stability

APPLICATIONS

- Material testing machines
- Hydraulic presses
- Industrial weighing systems

TECHNICAL SPECIFICATIONS

PARAMETER	METRIC (SI)
Capacity Range	5 to 500 Ton
Rated Output	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

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PHYSICAL & BUILD

- Low profile geometry for confined spaces
- Designed for heavy-duty compression loads
- Industrial-grade sealing for harsh environments

Material: Stainless Steel

ELECTRICAL SPECIFICATIONS

VALUE	LABEL
380 Ω \pm 10 Ω	Input Resistance
350 Ω \pm 1 Ω	Output Resistance
5–12 V DC/AC (Max 20 V DC)	Excitation Voltage
150 % F.S	Safe Overload
300 % F.S	Ultimate Overload