

CRANE LOAD CELL

PRODUCT DATASHEET



REAL-TIME LOAD MEASUREMENT FOR CRANES & LIFTING SYSTEMS

Jragrau Crane Load Pins are rugged strain-gauge based load sensors designed as direct replacements for standard load pins in cranes, hoists, and lifting equipment. Engineered for harsh industrial environments, they deliver accurate real-time load measurement, high overload protection, and long-term reliability under dynamic and shock loading conditions.

KEY FEATURES

- Direct replacement load pin design for cranes and hoists
- High overload capacity with excellent repeatability
- Designed for dynamic and shock loading environments

APPLICATIONS

- Crane and hoist load monitoring
- Overload protection systems
- Industrial material handling equipment

TECHNICAL SPECIFICATIONS

PARAMETER	METRIC (SI)
Rated Load Range	100 kg to 50 Ton
Rated Output	2 mV/V or 3 mV/V
Combined Error	±0.1 % of R.O
Repeatability	0.02 % of R.O
Safe Overload	100 % of R.L
Ultimate Overload	200 % of R.L

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PHYSICAL & BUILD

- High strength construction for heavy lifting applications
- Resistant to harsh industrial operating conditions
- Designed for long service life under cyclic loading

Material: Stainless Steel / Die Steel

Degree of Protection: IP67 / IP65

ELECTRICAL SPECIFICATIONS

LABEL	VALUE
Recommended Excitation	10 V DC
Maximum Excitation	15 V DC
Zero Balance	±5 % of R.O
Operating Temperature	+25 °C to +80 °C

