

# Single Point / Table Top Load Cell

Compact Weighing & Platform Scale Measurement



## Product Overview

JRAGRAU Single Point (Table Top) Load Cells are strain-gauge based force transducers designed for accurate weight measurement in compact platform scales and bench-top weighing systems. The single-point design allows for off-center load compensation, ensuring reliable and repeatable performance across the weighing surface.

## Key Features

- Single-point load compensation
- High accuracy and repeatability
- Compact rectangular design
- Suitable for platform and bench scales
- Stable output under continuous operation

## Technical Specifications

Capacity Range	3 kg to 500 kg
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 Temp. Coefficient	$\pm 0.002$ % F.S / $^{\circ}\text{C}$
Rated Output Temp. Coefficient	$\pm 0.002$ % F.S / $^{\circ}\text{C}$
Temp. Compensation Range	-10 $^{\circ}\text{C}$ to +60 $^{\circ}\text{C}$
Safe Temp. Range	-30 $^{\circ}\text{C}$ to +80 $^{\circ}\text{C}$
Output Resistance	350 $\Omega$ $\pm 1$ $\Omega$
Input Resistance	380 $\Omega$ $\pm 10$ $\Omega$
Insulation Resistance	> 5000 M $\Omega$
Recommended Supply Voltage	5–12 V DC/AC
Maximum Supply Voltage	20 V DC
Safe Overload	150 % F.S
Ultimate Overload	300 % F.S
Cable	4-core silver-plated shielded, 1 m

## Applications

- Platform and bench-top weighing scales
- Retail and industrial weighing systems
- Packaging and filling machines
- Check-weighers