

FEATURES

- Tight construction
- High dynamic response frequency
- Made of stainless steel

RS PRO Compression load cell

RS Stock No.: 204-2772



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

Compression load cell 13 is designed to measure load ranges with complete accuracy to 20kg, these units are easily incorporated into systems which have limited space. Model 13 combines high frequency and low deflection to achieve a combined non-linearity and hysteresis of 0.25% \diamond 0.5% full scale. Suitable for automotive press fit, automated assembly, 3C products testing, new energy product assembly, medical testing, robotics, mould assembly and other industrial testing and insertion force test instruments etc.

Capacities: 20kg

Material: Stainless steel

Dimension: Dia20*12mm

Rated Output: 1.0-2.0mV/V

Applications

Suitable for automotive press fit, automated assembly, 3C products testing, new energy product assembly, medical testing, robotics, mould assembly and other industrial testing and insertion force test instruments etc.

Electrical Specifications

Rated Capacities	20kg
Rated Output	1.0-2.0mV/V
Zero Balance	$\pm 1\%$ F.S.
Non-linearity	0.3 %F.S
Hysteresis	0.05 %F.S
Repeatability	0.05 %F.S
30mins Creep	0.05 %F.S
30mins Return	0.05 %F.S
Safe Overload	150 %R.O.
Ultimate Overload	200 %R.O.
Temperature Effect on Output	0.1 %F.S.10°C
Temperature Effect on Zero	0.1 %F.S.10°C
Input Impedance	700/1000 Ω
Output Impedance	350 \pm 5 Ω

Load Cells

Insulation Impedance	≥5000 MΩ/(100VDC)
Recommended Excitation	5-10V
Maximum Excitation	10VDC
Operating Temperature Range	-20~80 °C
Construction	Stainless Steel
Cable	Φ3×2m
Mode of Connection	Red (EXC+) , Black (EXC-) , Green (SIG+) , White (SIG-)

Protection Category

Waterproof class	IP66
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Classification

eCl@ss (Version)	C3
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Approvals

Declarations	ROHS, OIML
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Additional Information

Custom Tariff Number	84239000
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