

LCR-G-SA2

Small-Sized Large-Capacity Compression Load Cells

● 20 & 25 mm ϕ ● 5 to 50 kN



Since the diameter is small and the cable comes from the bottom, LCR-G-SA2 series load cells can be inserted into cylindrical object for measurement.

Features

- Compact
- Lightweight
- Large capacity

Specifications

Performance

Rated Capacity: See table below.
 Nonlinearity: Within $\pm 1\%$ RO
 Hysteresis: Within $\pm 1\%$ RO
 Rated Output: 1 mV/V (2000 $\mu\text{m}/\text{m}$) or more

Environmental Characteristics

Safe Temperature Range: -10 to 70°C
 Compensated Temperature Range: 0 to 60°C
 Temperature Effect on Zero Balance: Within $\pm 0.1\%$ RO/ $^\circ\text{C}$
 Temperature Effect on Output: Within $\pm 0.05\%$ / $^\circ\text{C}$

Electrical Characteristics

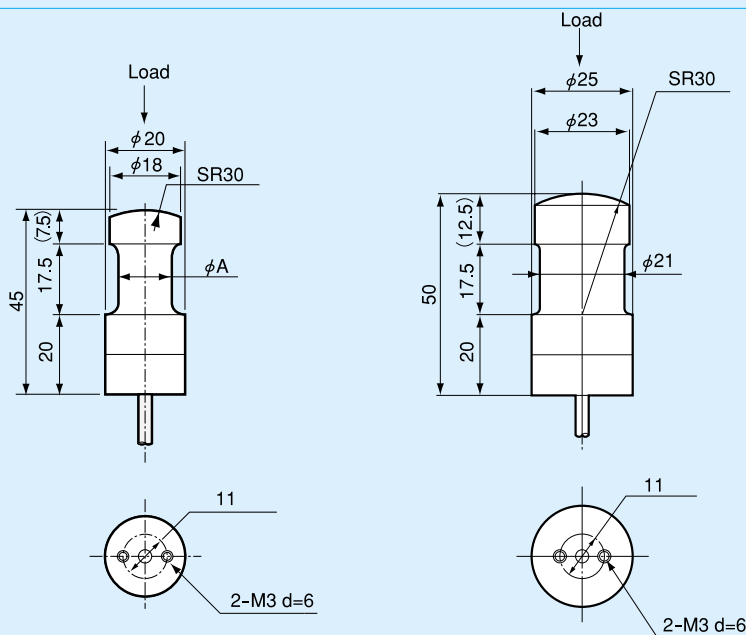
Safe Excitation Voltage: 7 VAC or DC
 Recommended Excitation Voltage: 1 to 2 VAC or DC
 Input Resistance: $350\ \Omega \pm 5\%$
 Output Resistance: $350\ \Omega \pm 5\%$
 Cable: 4-conductor (0.05 mm^2) chloroprene shielded cable, 3 mm diameter by 5 m long, terminated with connector plug (Shield wire is not connected to mainframe.)

Mechanical Properties

Safe Overload Rating: 120%
 Weight: See table below.
 Material: Metallic

Model	Rated Capacity	Weight (Approx.)
LCR-G-5KNSA2	5 kN	100 g
LCR-G-10KNSA2	10 kN	
LCR-G-20KNSA2	20 kN	
LCR-G-30KNSA2	30 kN	
LCR-G-50KNSA2	50 kN	130 g

Dimensions



LCR-G-5 to 30KNSA2

LCR-G-50KNSA2

Model	ϕA
LCR-G-5KNSA2	9.2
LCR-G-10KNSA2	11
LCR-G-20KNSA2	14
LCR-G-30KNSA2	16.5