

Small-Sized Large-Capacity Compression Load Cells

20 & 25 mm ϕ

LCR-G-SA2

5 to 50 kN

Compact

Lightweight

Large Capacity

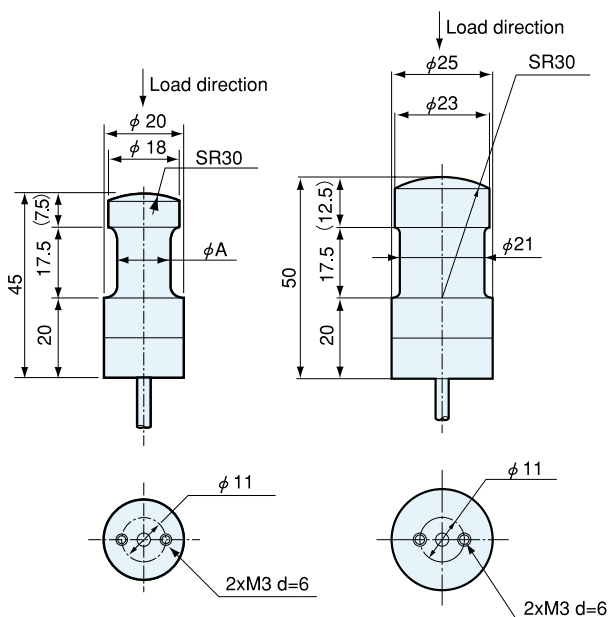


Load cells in the LCR-G-SA2 series feature a small outer diameter and have the cable coming from the bottom. Thus, they can be inserted into a cylindrical object for measurement.

Specifications

Performance	
Rated Capacity	See table below.
Nonlinearity	Within $\pm 1\%$ RO
Hysteresis	Within $\pm 1\%$ RO
Rated Output	1 mV/V (2000 $\mu\text{m/m}$) or more
Environmental Capability	
Safe Temp. Range	-10 to 70°C
Comp. Temp. Range	0 to 60°C
Temp. Effect on Zero Bal.	Within $\pm 0.1\%$ RO/°C
Temp. Effect on Out.	Within $\pm 0.05\%$ /°C
Electrical Characteristics	
Safe Excit. Voltage	7 V AC or DC
Recom. Excit. Voltage	1 to 2 V AC 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 dia. by 5 m long, terminated with NDIS connector plug (Shield wire is not connected to the mainframe.)
Mechanical Properties	
Safe Overload Rating	120%
Weight	See table below.
Protection Rating	IP 64 (Splashproof type conforming to JIS C 0920)
Enclosure	SUS, metallic finish

Dimensions



LCR-G-5 to 30KNSA2

LCR-G-50KNSA2

Model	Rated Capacity	Weight (App.)
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

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