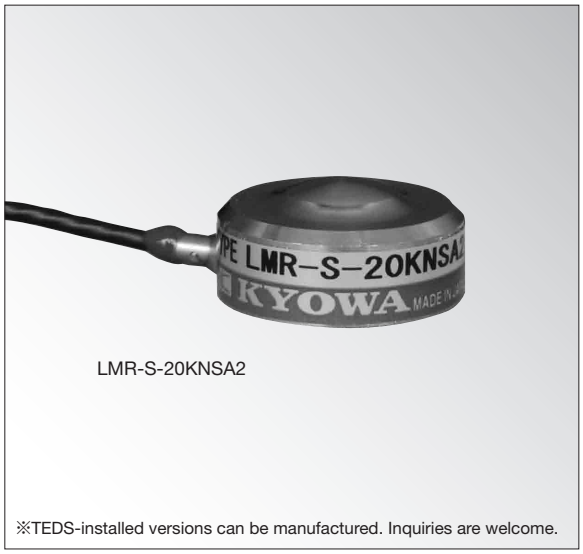
LMR-S-SA2

Small-Sized Compression Load Cells



LMR-S-20KNSA2

※TEDS-installed versions can be manufactured. Inquiries are welcome.

●21 mmϕ, 10 mm Thick ●2 to 20 kN

Specifications

Performance

Rated Capacity :	See table below.
Nonlinearity :	Within ±1% RO (LMR-S-2KNSA2 to 10KNSA2)
	Within ±2% RO (LMR-S-20KNSA2)
Hysteresis :	Within ±1% RO (LMR-S-2KNSA2 to 10KNSA2)
	Within ±2% RO (LMR-S-20KNSA2)
Repeatability :	±1% RO or less
Rated Output :	1 mV/V (2000 μm/m) or more

Environmental Characteristics

Safe Temperature Range :	-10 to 60˚C
Compensated Temperature Range :	0 to 50˚C
Temperature Effect on Zero Balance :	Within ±0.05% RO/˚C
Temperature Effect on Output :	Within ±0.05%/˚C

Electrical Characteristics

Safe Excitation Voltage :	7V AC or DC
Recommended Excitation Voltage :	1 to 2V AC or DC
Input Resistance :	350Ω±2%
Output Resistance :	350Ω±2%
Cable : 4-conductor (0.035 mm^2) vinyl shielded cable,	
1.7 mm diameter by 2 m long, bared at the tip	
(Shield wire is connected to mainframe.)	

Mechanical Properties

Safe Overload Rating :	120%
Natural Frequency :	Approx.50kHz
Weight :	Approx.25g
Material :	Stainless steel

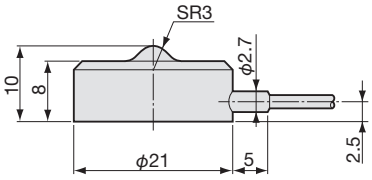
Model	Rated Capacity
LMR-S-2KNSA2	2kN
LMR-S-5KNSA2	5kN
LMR-S-10KNSA2	10kN
LMR-S-20KNSA2	20kN

※Users should be cautioned that operating conditions may adversely affect the stated specifications.

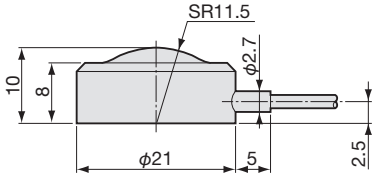
Compact,Lightweight, Low price, Suitable for Load Distribution Measurement

Compact and lightweight LMR-S-SA2 series load cells can be used by merely putting or bonding on the subject site or settng in a hollow. Major applications include measurement of load distribution by using multiple units, load measurement in pipe making mill or where a measuring site or the weight of load cell itself is limited.

Dimensions



LMR-S to 2KNSA2



LMR-S-5 to 20KNSA2