



Strain Gage

Load Cell

Pressure
SensorAcceleration
SensorTorque
SensorDisplacement
SensorComponent
Force
SensorAutomotive
SensorCivil
Engineering
Sensor

LUR-B-SA1

Load Cell for Jack



Wide capacity range for measuring loads applied to jacks

- Rated capacity: ± 10 kN to 2 MN
- Inserted between structure and jack

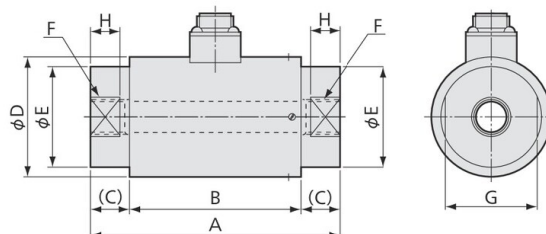
Load cells for measuring loads applied to jacks. Jacks are used to raise and move large structures. It is important to monitor and control loads applied to jacks for safety, such as overloading, unbalanced loading, and center-of-gravity shifts.

Models

Model	Rated Capacity	A	B	(C)	ϕD	ϕE	F	G	H	Weight (Approx.)*
LUR-B-10KNSA1	±10 kN	100	70	15	55	25	M12 P=1.75 d=15	20	10	1.4 kg
LUR-B-20KNSA1	±20 kN	110		20	60	50	M18 P=1.5 d=20	46	15	2.1 kg
LUR-B-30KNSA1	±30 kN	125	85				M24 P=2 d=30			
LUR-B-50KNSA1	±50 kN			175	105	35	65	55	M39 P=2 d=45	50
LUR-B-100KNSA1	±100 kN	255	125			65	80	70	M50 P=2 d=65	65
LUR-B-200KNSA1	±200 kN			330	170				80	130
LUR-B-300KNSA1	±300 kN	430	210			110	188	158		
LUR-B-500KNSA1	±500 kN			530	250				140	220
LUR-B-1MNSA1	±1 MN	590	270			160	260	228		
LUR-B-1.5MNSA1	±1.5 MN			270	160				260	228
LUR-B-2MNSA1	±2 MN									

*Excluding cable

Dimensions

Connector plug (standard)
PRC03-12A10-7M

Specifications

Performance

Rated Capacity	See table below.
Nonlinearity	Within $\pm 0.2\%$ RO (300KNSA1 or more: Within $\pm 0.5\%$ RO)
Hysteresis	Within $\pm 0.1\%$ RO (300KNSA1 or more: Within $\pm 0.5\%$ RO)
Rated Output	1 mV/V $\pm 1\%$

Environmental Characteristics

Safe Temperature	-10 to 60°C
Compensated Temperature	0 to 60°C
Temperature Effect on Zero	Within $\pm 0.01\%$ RO/°C
Temperature Effect on Output	Within $\pm 0.01\%$ /°C

Electrical Characteristics

Safe Excitation	15 V AC or DC
Recommended Excitation	1 to 12 V AC or DC
Input Resistance	350 Ω $\pm 2\%$
Output Resistance	350 Ω $\pm 2\%$
Cable	4-conductor (0.3 mm ²) chloroprene shielded cable, 7.6 mm diameter by 10 m long
	Sensor side: 1108-12A10-7M
	Measuring instrument side: PRC03-12A10-7M

Mechanical Properties

Safe Overloads	200%
Weight	See table below.

*If the capacity is more than 200 kN, the calibration is performed for compressive load only.

*Specifications and design are subject to change without notice.

*Please contact us for information on product warranties.