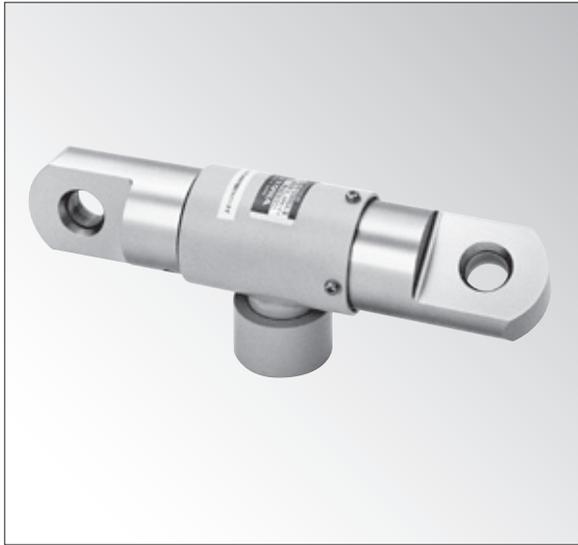


LTR-S-SA1

- 20 to 50 kN
- For Tractive Force or Tensile Force of Ropes

One-end Revolving Tension Load Cell



Compact & Lightweight Moderate price For Measurement of Tractive Force and Tensile Force of Ropes

LTR-S-SA1 series load cells are suitable for measurement of tensile force of ropes. Since the hook at one end revolves together with the rope which may revolve due to twisting, easy installation and handling are ensured.

Specifications

Performance

Rated Capacity	See table below.
Nonlinearity	Within $\pm 0.5\%$ RO
Hysteresis	Within $\pm 0.5\%$ RO
Rated Output	Approx. 1 mV/V

Environmental Characteristics

Safe Temperature	-20 to 70°C
Compensated Temperature	-10 to 60°C
Temperature Effect on Zero	Within $\pm 0.05\%$ RO/°C
Temperature Effect on Output	Within $\pm 0.05\%$ /°C

Electrical Characteristics

Safe Excitation	12 V AC or DC
Recommended Excitation	1 to 5 V AC or DC
Input Resistance	350 $\Omega \pm 2\%$
Output Resistance	350 $\Omega \pm 2\%$
Cable	4-conductor (0.3 mm ²) chloroprene shielded cable, 7.6 mm diameter by 5 m long, terminated with a connector plug PRC03-12A10-7M (Shield wire is not connected to the case.)

Mechanical Properties

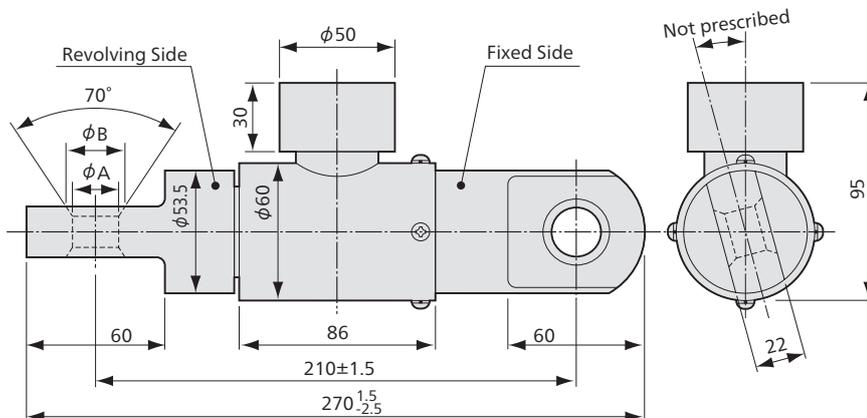
Safe Overloads	150%
Ultimate Overloads	200%
Weight	Approx. 3.6 kg (Excluding cable)

Models	Rated Capacity	ϕA	ϕB
LTR-S-20KN5A1	20 kN	20	26
LTR-S-30KN5A1	30 kN		
LTR-S-50KN5A1	50 kN	22	29

To Ensure Safe Usage

- When loaded, sliding friction prevents the revolving part from revolving.
- Do not use for measurement of hanging loads.

Dimensions



Connector plug
PRC03-12A10-7M



Physical quantity indication

LTR-S-SA1
Recommended
products for
combination

