

LTP-S-S

Pin-type Load Cell



Pin models for use with pulley axles

- Rated capacity: 10 to 500 kN
- Can be designed for existing pin dimensions

Load cells mounted in place of a pulley axle, that allow measuring loads hanging from cranes.

Specifications

Performance

Rated Capacity	See table below.
Nonlinearity	Within $\pm 1\%$ to 2% RO (Depends on user's installation conditions.)
Hysteresis	Within $\pm 1\%$ to 2% RO (Depends on user's installation conditions.)
Rated Output	0.5 to 1 mV/V

Environmental Characteristics

Safe Temperature	-20 to 80°C
Compensated Temperature	-10 to 70°C
Temperature Effect on Zero	Within $\pm 0.05\%$ RO/°C
Temperature Effect on Output	Within $\pm 0.05\%$ /°C

Electrical Characteristics

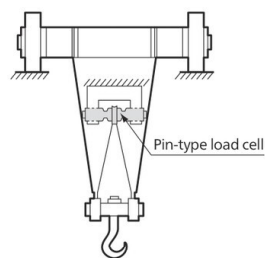
Safe Excitation	15 V AC or DC
Recommended Excitation	1 to 10 V AC or DC
Input Resistance	700 Ω $\pm 3\%$
Output Resistance	700 Ω $\pm 3\%$
Cable	4-conductor chloroprene shielded cable (Length as required), bared at the tip

Mechanical Properties

Safe Overloads	150%
Material	Stainless steel

*Specifications and design are subject to change without notice.
*Please contact us for information on product warranties.

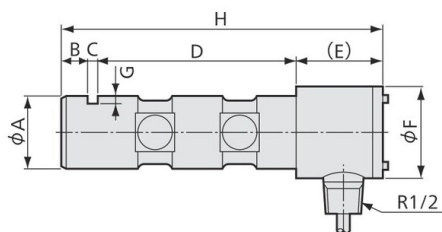
Installation Example



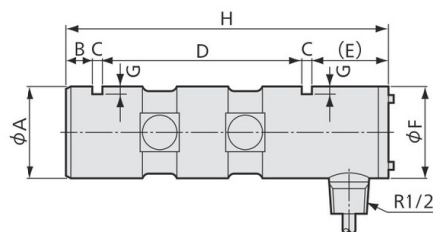
Models

Model	Rated Capacity	ϕA	B	C	D	(E)	ϕF	G	H
LTP-S-10KNS	10 kN	40	15	5	112	40	50	4	172
LTP-S-20KNS	20 kN								
LTP-S-50KNS	50 kN	50	20	7	140		55	6	202
LTP-S-100KNS	100 kN	60		8	168		60	8	244
LTP-S-200KNS	200 kN	70		10	212		70		292
LTP-S-500KNS	500 kN	95		12	262	45	95	10	341

Dimensions

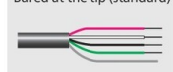


LTP-S-10 to 50KNS



LTP-S-100 to 500KNS

Bared at the tip (standard)



1
-88

Sensor



Strain Gage

Load Cell

Pressure
Sensor

Acceleration
Sensor

Torque
Sensor

Displacement
Sensor

Component
Force
Sensor

Automotive
Sensor

Civil
Engineering
Sensor