

# LTP-S-S

## Pin-type Load Cell

● 10 to 500 kN ● stainless steel



### Specifications

#### Performance

<b>Rated Capacity</b>	See table below.
<b>Nonlinearity</b>	Within ±1% to 2% RO (Depends on user's spec.)
<b>Hysteresis</b>	Within ±1% to 2% RO (Depends on user's spec.)
<b>Rated Output</b>	Approx. 0.5 to 1 mV/V

#### Environmental Characteristics

<b>Safe Temperature</b>	-20 to 80°C
<b>Compensated Temperature</b>	-10 to 70°C
<b>Temperature Effect on Zero</b>	Within ±0.05% RO/°C
<b>Temperature Effect on Output</b>	Within ±0.05%/°C

#### Electrical Characteristics

<b>Safe Excitation</b>	15 V AC or DC
<b>Recommended Excitation</b>	1 to 10 V AC or DC
<b>Input Resistance</b>	700 Ω±3%
<b>Output Resistance</b>	700 Ω±3%
<b>Cable</b>	4-conductor chloroprene shielded cable (Length is as required)

#### Mechanical Properties

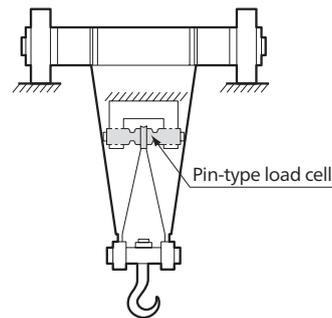
<b>Safe Overloads</b>	150%
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### Compact, Space saving Design For Mounted in the Place of the Axis of Crane's Pulley

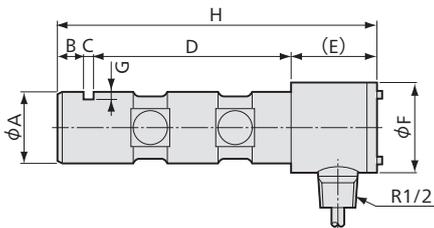
● Specially designed for installation to pin connection

Mounted in place of the axis of crane's pulley, LTP-S-S series pin-type load cells enable measurement of hanging loads. Such the feature ensures easy installation and handling. Since strain gages are used as the load detector, each load cell in this series is compact, lightweight and moderate price.

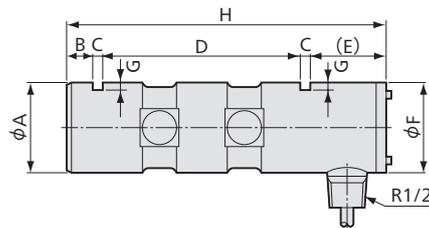
### Installation Examples



### Dimensions



LTP-S-10KNS to 50KNS



LTP-S-100KNS to 500KNS

Models	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	15	7	140	40	55	6	202
LTP-S-100KNS	100 kN	60	20	8	168	40	60	8	244
LTP-S-200KNS	200 kN	70	20	10	212	40	70	8	292
LTP-S-500KNS	500 kN	95	22	12	262	45	95	10	341

● Physical quantity indication

● Dynamic measurement

LTP-S-S  
Recommended  
products for  
combination

Instrumentation Amplifier  
WGA-900A  
→ 3-95

Instrumentation Amplifier  
WGA-680A  
→ 3-97

Strain Amplifier  
DPM-900 Series  
→ 3-5