

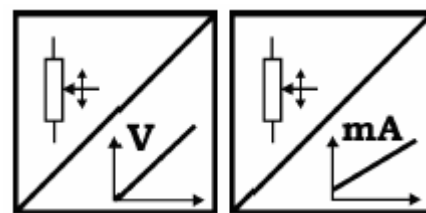
PCS90A Cable pull sensor

4-20mA output



Compact design suitable for the industry application

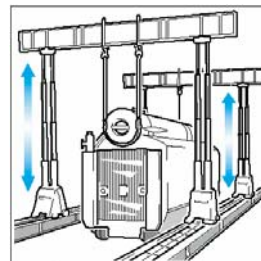
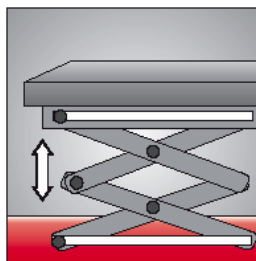
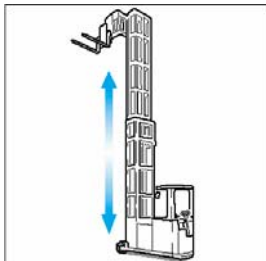
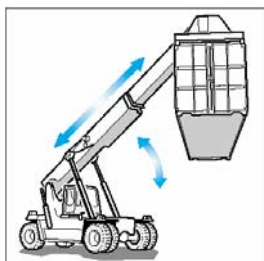
- IP Class: IP65
- Measure range: 0.....2000mm, 3000mm
- 10-30V, 4-20mA output, 0-10V output



Technical feature

Electric output:	Analog output 4-20MA (2-wire)
Accuracy:	± 0.5mm
Material:	Aluminum, stainless steel, copper, POM Wire: stainless steel (diameter 1.0 mm)
Sensing unit:	“Sakae” multi-turns Precision potential meter.
Connection:	Cable outlet (1m) or Plug
Linearity:	±0.25% full range
Working environment:	
EMC:	EN50082-2
Temperature:	-20°C—+70°C
Force on cable:	
Min:	6.5N
Max:	9.8N
Against shock and vibration:	294m/s ² /11ms XYZ. 10—55HZ/1.5mm
IP class:	IP65
Working life(see note):	500,000 cycles
weight:	Approx,1kg

Application Example:



PCS90A Cable pull sensor

4-20mA output

Order code:

PCS90

	PCS90A	—		—	MA	—	
Type series	PCS90A analogue output						
Measure range (mm)	2000 3000						
Signal output	MA: (4-20 mA) OP: (option)						
Connector	K1 (Cable 1m outlet) C1 (M12 4PIN connector)						



Warning

Safety warning: Never let snap back the wire. Free back-running wire will damage the device.

Note: Lifetime

The lifetime depends on type of load. Specified values are average. The lifetime may be decreased by fast, long-distance movements and may be increased, if slowly short-distance movements are applied.

Electrical connect:

Singal	Cable	Connector
U+24V	Brown	PIN 1
Iout	blue	PIN 3
Shield	----	---

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Housing Dimension:

