

LINEAR POSITION SENSOR / CABLE SENSOR



Model LPS

Model LPS is a compact style, easily handled strain meter. It is a DC output type and it outputs the ratio of input resistance and output voltage through changes of the interior volume resistance. It could be used for dynamic measurement as well as static measurement.

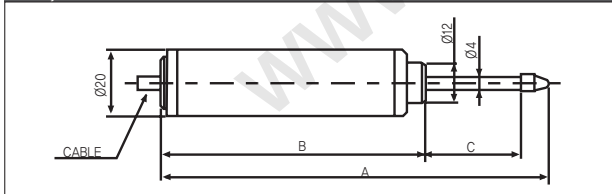
- As static measurement
- High output
- Superior repeatability
- Easy handling

SPECIFICATIONS

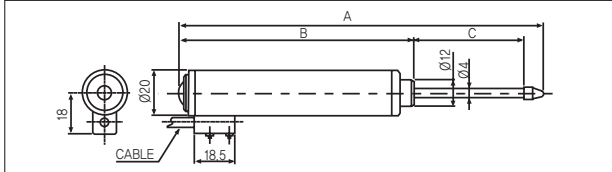
Specifications	Accuracy	
정격용량	10, 30, 50 mm	80, 100 mm
비직진성	± 0.2% R.O.	± 0.4% R.O.
히스테리시스	± 0.05% R.O.	± 0.1% R.O.
Non-repeatability	± 0.05% R.O.	± 0.1% R.O.
Total resistance (±20%)	2k Ω (stroke 5~10mm), 5k Ω (stroke 30~100mm)	
온도보상범위	-10°C ~ 70°C	
허용온도범위	0°C ~ 60°C	
Excitation Voltage	10V DC	
케이블길이	Ø4 shield 2m	

DIMENSIONS

10, 30mm



50, 80, 100mm

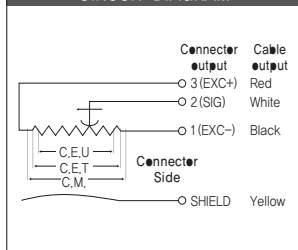


DIMENSIONS TABLE

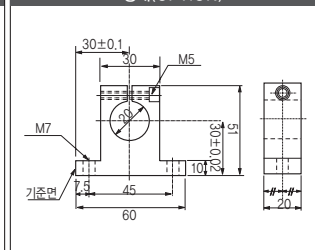
unit:mm

Stroke	A	B	C
10mm	77	57.5	Useful Stroke +1 / -0
30mm	117	77.5	
50mm	170	110.5	
80mm	251.5	162	
100mm	271.5	162	

CIRCUIT DIAGRAM



고정대(OPTION)



Model CTP

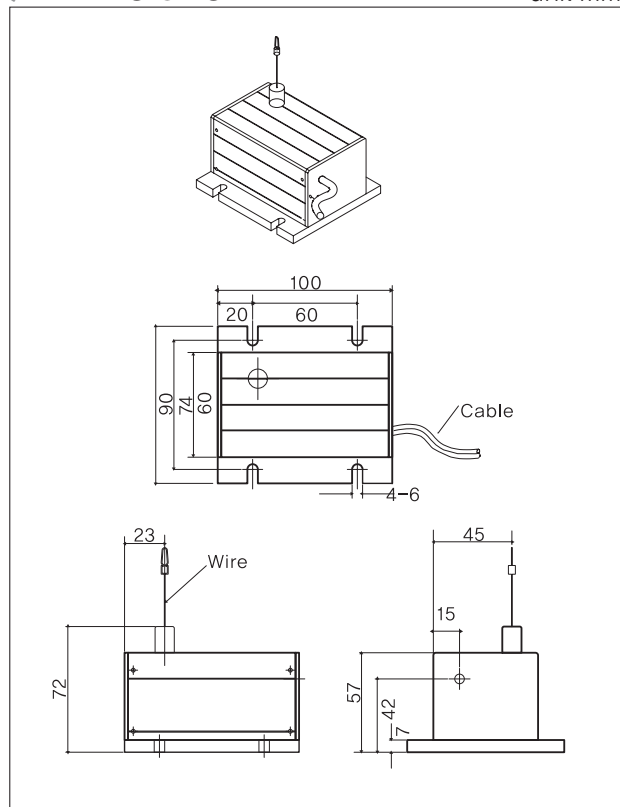
- Flight and crash test applications
- 360° 2-Axis mounting · potentiometer output

SPECIFICATIONS

Specifications	Accuracy
Full stroke Range	0.5, 1M
Output signal	voltage divider (Potentiometer)
Accuracy	±0.25% full stroke
Repeatability	±0.02% full stroke
Measuring cable	Ø0.45 stainless steel
Power supply	5V, 12V, 24V, DC +5 ~ +24V
Resistance range	100 Ω ~ 100k Ω
Min.practical independent linearity	±0.15%, (300 Ω ~ ±0.075%, ≥300 Ω)
Dielectric strength	1,000V rms
Min.insulation resistance	1000M Ω
Maximum noise	100 Ω
Max.end voltage	0.25% of input voltage

DIMENSIONS

unit:mm



★Specifications are subject to change without notice.