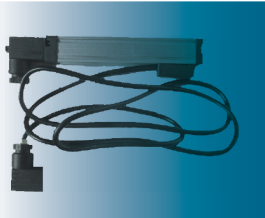


LinoSense® Precision Linear Motion Displacement Transducer, Potentiometric

The function of a linear motion transducer is to convert a mechanical displacement into an electrical signal and the signal can be made directly proportional to the mechanical movement. The wiper assembly connected to the mechanical actuator is now moved on the plastic track to make a voltage divider. The track of the potentiometer is connected to a stabilized input DC voltage which allow a small current flow. The signal voltage, when measured between the wiper and the trimmed track is the principle of voltage divider and is directly proportional to the position of the wiper on the track. The use of the potentiometer as a voltage divider minimizes the necessity for accuracy of the total resistance of the track since the temperature fluctuation only affects the changes in resistance and resistance tolerance does not affect the measured result.

SPRB/SPVB/SPCB

Shaftless precision linear motion conductive plastic displacement sensor 33 x33mm ,Space saving side mount interconnection



Link for Datasheet :

www.megauto.de/en/sprb.pdf
www.megauto.de/en/spvb.pdf
www.megauto.de/en/spcb.pdf

- Linearity tolerance (%) : ± 0.075
 - Full Stroke 100-1500 mm,
 - Resistance value (Ω) : 5K,
 - Repeatability : (typ. IEC60393) $\pm 10\mu\text{m}$
 - Resistance tolerance : $\pm 20\%$
 - Resolution : quasi infinite
 - Aluminium housing & stainless steel shaft
- Universal high resolution linear motion displacement sensor according to international standard,very economical. It includes coupling and mounting elements.

Type	Output Signal	SPxB
Resistive	5K Ω /10K Ω	SPRB
Voltage	0-10V	SPVB
Current	4-20mA	SPCB
Electrical stroke (mm)		100 - 1500
Life cycles		~ 50 million

SPRC/SPVC/SPCC

Linear motion conductive plastic sensor, robust 38 mm dia housing, with push rod, maximum 0 – 700 mm in 12 ranges, special bearing and shaft for robust applications



Link for Datasheet :

www.megauto.de/en/sprc.pdf
www.megauto.de/en/spvc.pdf
www.megauto.de/en/spcc.pdf

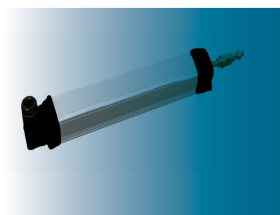
- Linearity tolerance (%) : ± 0.075
- Full Stroke 100-1500 mm
- Resistance value (Ω) : 5K,
- Repeatability : (typ. IEC60393) $\pm 10\mu\text{m}$
- Resistance tolerance : $\pm 20\%$
- Resolution : quasi infinite
- Aluminium housing & stainless steel shaft

Universal high resolution linear motion displacement sensor according to international standard,very economical. It includes coupling and mounting

Type	Output signal	SPxC
Resistive	5K Ω /10K Ω	SPRC
Voltage	0-10V	SPVC
Current	4-20mA	SPCC
Electrical stroke (mm)		100 - 700
Life cycles		~ 50 million

SPRE/SPVE/SPCE

Linear motion conductive plastic displacement sensor, square shape 33 x 33 mm housing, pull rod, upto 1250 mm, link ball or rod end bearing



Link for Datasheet :

www.megauto.de/en/spre.pdf
www.megauto.de/en/spve.pdf
www.megauto.de/en/spce.pdf

- Linearity tolerance (%) : ± 0.075
- Full Stroke 30-1250 mm
- Resistance value (Ω) : 5K, 10K
- Repeatability : (typ. IEC60393) $\pm 10\mu\text{m}$
- Resistance tolerance $\pm 20\%$

Universal high resolution linear motion displacement sensor according to international standard,very economical. It includes coupling and mounting elements.

Type	Output signal	SPxE
Resistive	5K Ω /10K Ω	SPRE
Voltage	0-10V	SPVE
Current	4-20mA	SPCE
Electrical stroke (mm)		30 - 1250
Life cycles		~ 50 million

LSC

LSC: Linear motion conductive plastic displacement sensor, square shape 33 x 33 mm housing, pull rod, upto 1250 mm, link ball or rod end bearing



Link for Datasheet :
www.megauto.de/en/lsc.pdf

- Linearity tolerance (%) : ± 0.1
- Repeatability (μm) : (typ.) 25 - 50
- Power (watt) : 3 - 10
- Resistance value (Ω) : 5K, 10K
- Operating speed (m/s) : 4 (max.)
- Operating temperature : -30 to 85°C

Universal high resolution linear motion displacement sensor according to international standard, very economical. It includes coupling and mounting elements.

Type	Output signal	LSC
Resistive	5K Ω /10K Ω	LSC
Voltage	0-10V	LSCB 2410
Current	4-20mA	LSCB 2442
Electrical stroke (mm)		50 - 900
Life cycles		~ 30 million

LSR

LSR: Linear motion conductive plastic sensor, robust 38 mm dia housing, with push rod, maximum 0 – 900 mm in 12 ranges, special bearing and shaft for robust applications



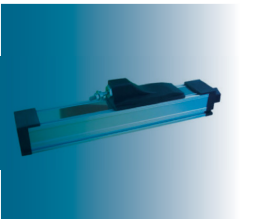
Link for Datasheet :
www.megauto.de/en/lsr.pdf

- Linearity tolerance (%) : ± 0.1
- Repeatability (μm) : (typ.) 25 - 50
- Power (watt) : 3 - 10
- Resistance value (Ω) : 5K, 10K
- Operating speed (m/s) : 4 (max.)
- High resolution position sensor
- Operating temperature : -30 to 85°C
- Round shape housing
- Stainless steel rod
- Link ball or rod end bearing
- Recommended for racks & pinion

Type	Output signal	LSR
Resistive	5K Ω /10K Ω	LSR
Voltage	0-10V	LSRB 2410
Current	4-20mA	LSRB 2442
Electrical stroke (mm)		50 - 900
Life cycles		~ 30 million

LSO

LSO: Shaftless precision linear motion conductive plastic displacement sensor 33 x 33mm, Space saving side mount interconnection



Link for Datasheet :
www.megauto.de/en/lso.pdf

- Linearity tolerance (%) : ± 0.1
- Repeatability (μm) : (typ.) 25 - 50
- Power (watt) : 3 - 10
- Resistance value (Ω) : 5K, 10K
- Operating speed (m/s) : 4 (max.)
- Operating temperature : -30 to 85°C

Universal high resolution linear motion displacement sensor according to international standard, very economical. It includes coupling and mounting elements.

Type	Output Signal	LSO
Resistive	5K Ω /10K Ω	LSO
Voltage	0-10V	LSOB 2410
Current	4-20mA	LSOB 2442
Electrical stroke (mm)		50 - 900
Life cycles		~ 30 million