

LINEAR POSITION TRANSDUCERS

“Return Spring System, With Bushing, Small Body”

LKR



GENERAL FEATURES

- Return spring system
- Measuring distance (stroke) options between 10mm and 100mm
- M10x0,75 bushing (optional others)
- Potentiometric measurement
- 1K, 5K and 10K resistance options
- $\pm 1\%$ high linearity
- Long life up to 5 million movements
- Compact design
- IP65 protection

APPLICATIONS

- Gas pedal

TECHNICAL SPECIFICATIONS

Electrical Data

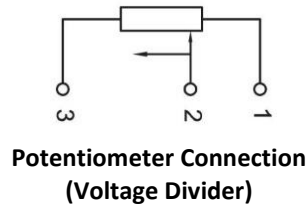
Model	LKR 010	LKR 025	LKR 050	LKR 075	LKR 100
Electrical Stroke (mm)	10	25	50	75	100
Independent Linearity	$\pm 1\%$				
Repeatability	0.05 mm				
Resolution	Infinite				
Output Type	Potentiometric				
Resistance	1K, 5K, 10K (optional other)				
Resistance Tolerance	$\pm 20\%$				
Supply Voltage	42V max.				
Minimum Life (electrical)	10 million cycles				
Electrical Connection	3x0,102 mm ² soft PVC cable (optional other)				

Mechanical Data

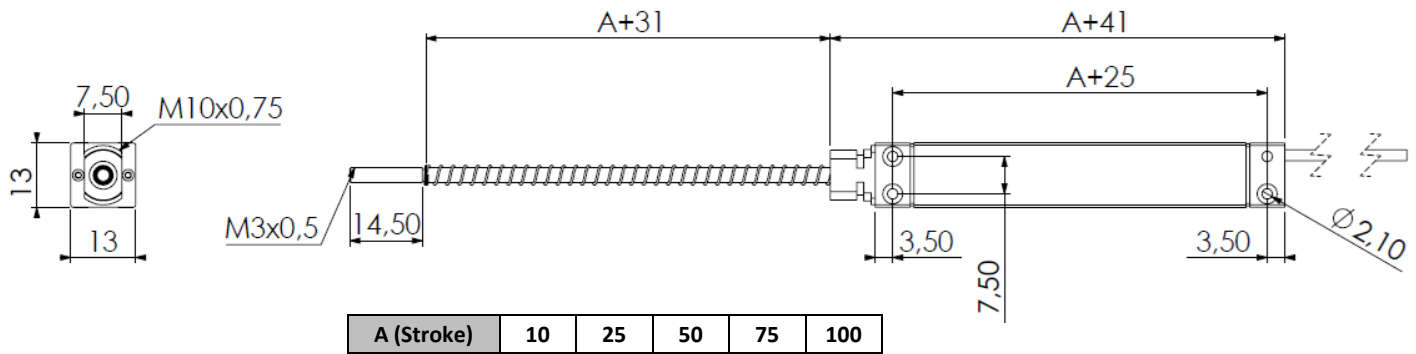
Model	LKR 010	LKR 025	LKR 050	LKR 075	LKR 100
Mechanical Stroke (mm)	12	27	52	77	102
Adjusting force of the push rod with return spring	10N max.				
Operating Temperature	$-25^{\circ}\text{C} \dots +75^{\circ}\text{C}$				
Storage Temperature	$-25^{\circ}\text{C} \dots +105^{\circ}\text{C}$				
Protection Class	IP65				
Minimum Life (mechanical)	5 million cycles				
Rod Material	Stainless Steel				
Body Material	Aluminum				

ELECTRICAL CONNECTION

SIGNAL	CABLE COLOR
+V	Green (1)
Output Signal	Red (2)
-V	Yellow (3)



MECHANICAL DIMENSIONS (mm)



ORDER CODE

				Resistance Value			
				1K : 1K			
				5K : 5K			
				10K : 10K			
Model							
LKR	-	XXX	-	XXX	-	XXX	
Measuring Lengths (stroke)						Electrical Connection	
010 : 10mm						0.15M : 15 cm cable	
025 : 25mm						*Optional others	
050 : 50mm							
075 : 75mm							
100 : 100mm							