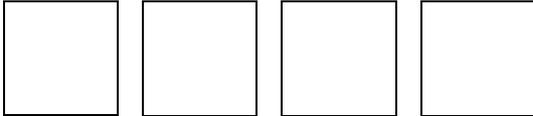


Linear-Transducer LP-46-K A

Eglishalde 6
 D-78647 Trossingen
 Tel. +49 - (0) 74 25 / 228 - 0
 Fax +49 - (0) 74 25 / 228 - 33
 http://www.tr-electronic.de
 Germany



- **Analog interface**
- **For linear measurement**
- **Non-contact and wear free measurement system**
- **Easy mounting, by means of profile housing**
- **Adjustment via set-inputs**
- **Further interfaces available**
- **Customized adaptations upon request**

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Characteristics

Supply voltage.....	24 VDC ±10 %
Current consumption without load	< 100 mA
Measuring principle	magnetostrictive
Measuring length, standard	50 mm...2000 mm > 2000 mm on request, in steps of 50 mm
Resolution	≥ 0.001 mm
Linearity deviation, related to the measuring length	± 0.1 mm up to 1.500 mm / ± 0.15 mm > 1.500 mm
Reproducibility.....	≤ 0.005 mm
Hysteresis	≤ 0.02 mm up to 1.500 mm / ≤ 0.1 mm > 1.500 mm
Temperature coefficient, related to the measuring length.....	< 40 ppm/°C
Straight line velocity and mounting position.....	no restrictions
Material - measuring body.....	Aluminium extruded profile
Magnet.....	Sliding, other on request
A.....	16 Bit - Analog interface
Analog voltage / Analog current.....	defined by factory setting
Voltage output.....	0 V...+10 V, +10 V...0 V, ±5 V, ±10 V
- Load resistance	≥ 680 Ω
Current output	0...20 mA, 4...20 mA
- Load resistance	≤ 500 Ω
Cable length, dependent on electric shielding	
- Voltage output	≤ 10 m
- Current output.....	≤ 1000 m
Cycle times, internal	
- ≤ 1.0 m.....	0.50 ms
- ≤ 1.5 m.....	0.75 ms
- ≤ 2.0 m.....	1.00 ms
Inputs	
- Starting point	Definition of the starting point of the analog signal
- Final point	Definition of the final point of the analog signal
- Logic level.....	"0" < + 2 VDC, "1" = Supply voltage

