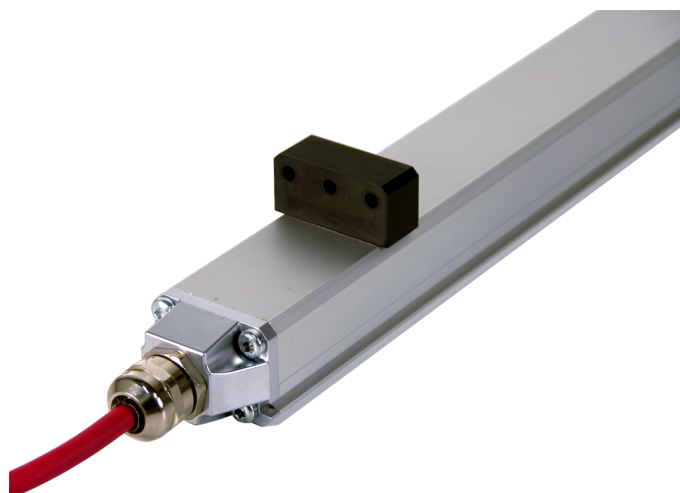


Linear-Transducer LMP30 - ISI

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Advantages

- Customer-specific solutions
- Flexible programming
- Further interfaces available
- Measures linear movements
- Profile housing
- Simple integration
- Wear-free detection

General Data

Supply	
- Supply voltage	24 VDC, -20...+10 %
Current consumption no load	<= 100 mA
Measuring principle	magnetostrictive
Measuring length, standard	50...4000 mm, in steps
Resolution	0.01 mm
Linearity deviation	± 0.15 mm <= 1500 mm ± 0.20 mm > 1500 mm
Reproducibility	0.01 mm
Hysteresis	0.1 mm
Straight line velocity	1 m/s, Resolution = 0.01 mm
Mounting position	no restrictions
Material - Measuring body	Aluminium extruded profile
Magnet	T1-S3818 other on request
Incremental - Interface	
- Load frequency	4...120 kHz
- Incremental signals	K1± K2±
- Output driver, TTL	RS-422, 5 VDC
- Output driver, HTL	Push-Pull, 11...27 VDC
Parameter/Function, changeable	Load frequency

Subject to change.

TR-Electronic GmbH
Eglisshalde 6
78647 Trossingen
Tel. +49 (0) 7425 228-0
info@tr-electronic.de
www.tr-electronic.de

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General Data continuation

	Preset parameter
Type of parametrization	programmable
Prgramming - Tool	TR-Soft: TRWinProg
Cycle time internal, ≤ 1.25 m	1.00 ms
Cycle time internal, ≤ 2.00 m	1.50 ms
Cycle time internal, ≤ 3.00 m	2.00 ms
Cycle time internal, > 3.00 m	2.50 ms
External inputs	
- Preset	electronic adjustment
- Load input	Load absolute position
- Logic level	"0" $< +2V$, "1" = Supply
External outputs	
- Load output	ISI Load process finished

Environmental conditions

Vibration	
- Specific value	≤ 100 m/s ²
- Sine	50...2000 Hz
Shock	
- Specific value	≤ 1000 m/s ²
- Half sine	11 ms
Immunity to disturbance	DIN EN 61000-6-2
Transient emissions	DIN EN 61000-6-3
Working temperature	
- Standard	0...+70 °C
- Optional	-20...+70 °C;
Storage temperature, dry	-30...+85 °C
Relative humidity	98 %, non condensing
Protection class	
- Standard	IP65
Stray magnetic field	< 3 mT
Measuring reference	Measuring plane

Subject to change.

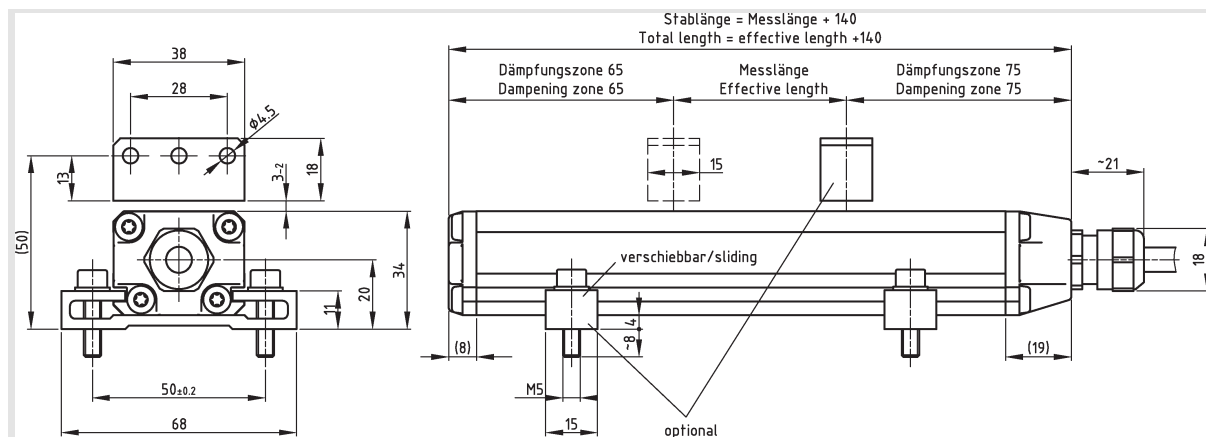
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Dimensional drawing



Subject to change.