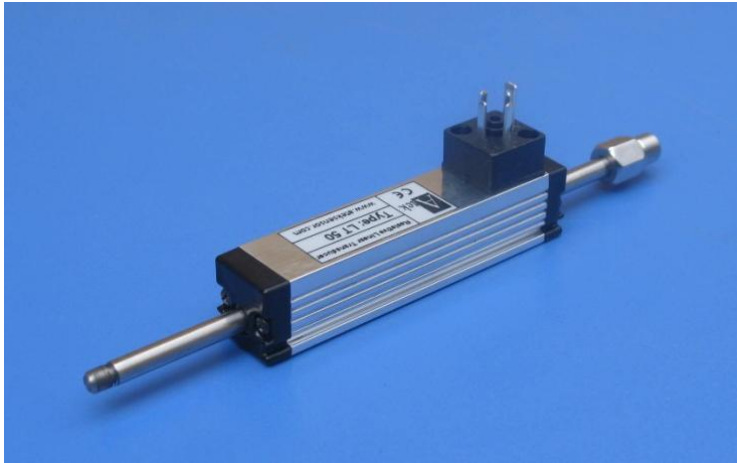




LINEAR POSITION TRANSDUCERS

“For Short Distance Measurements With Small Structure”

LT

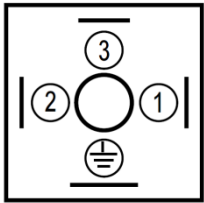


- Potentiometric Measurement
- Measuring distances from 10 mm to 150 mm
- High Resolution
- High life with 100 million moves
- High operating speed 5 m / s
- High linearity % 0.6

They work as ABSOLUTE since they are potentiometric, meaning they do not lose their position in the power cuts.

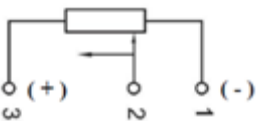
They are not affected by wear due to the linearized conductive plastic resistance alloy and special contacts, and operate for long periods with motion lives of up to 100 million. Because they make the resistance change linear by special methods, they make stable and equal measurements every time.

Connection



POTENTIOMETRIC OUTPUT

1. Resistance / +Supply
2. Output
3. Resistance / -Supply
4. SHIELD

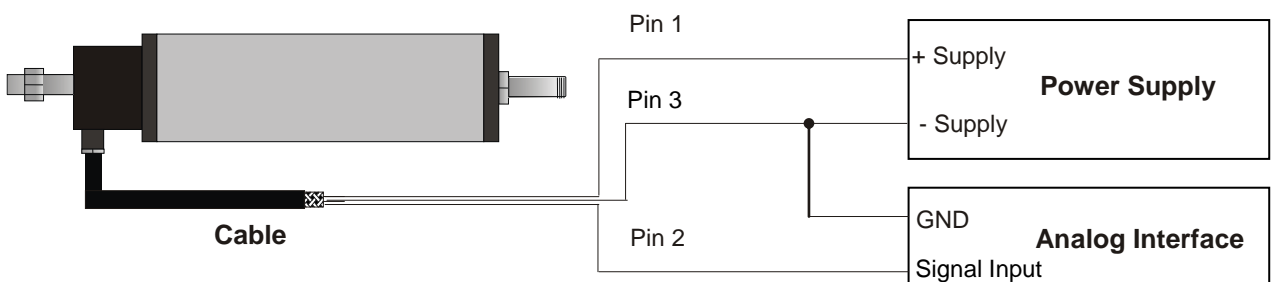


Potentiometric Connection
(Voltage Divider)

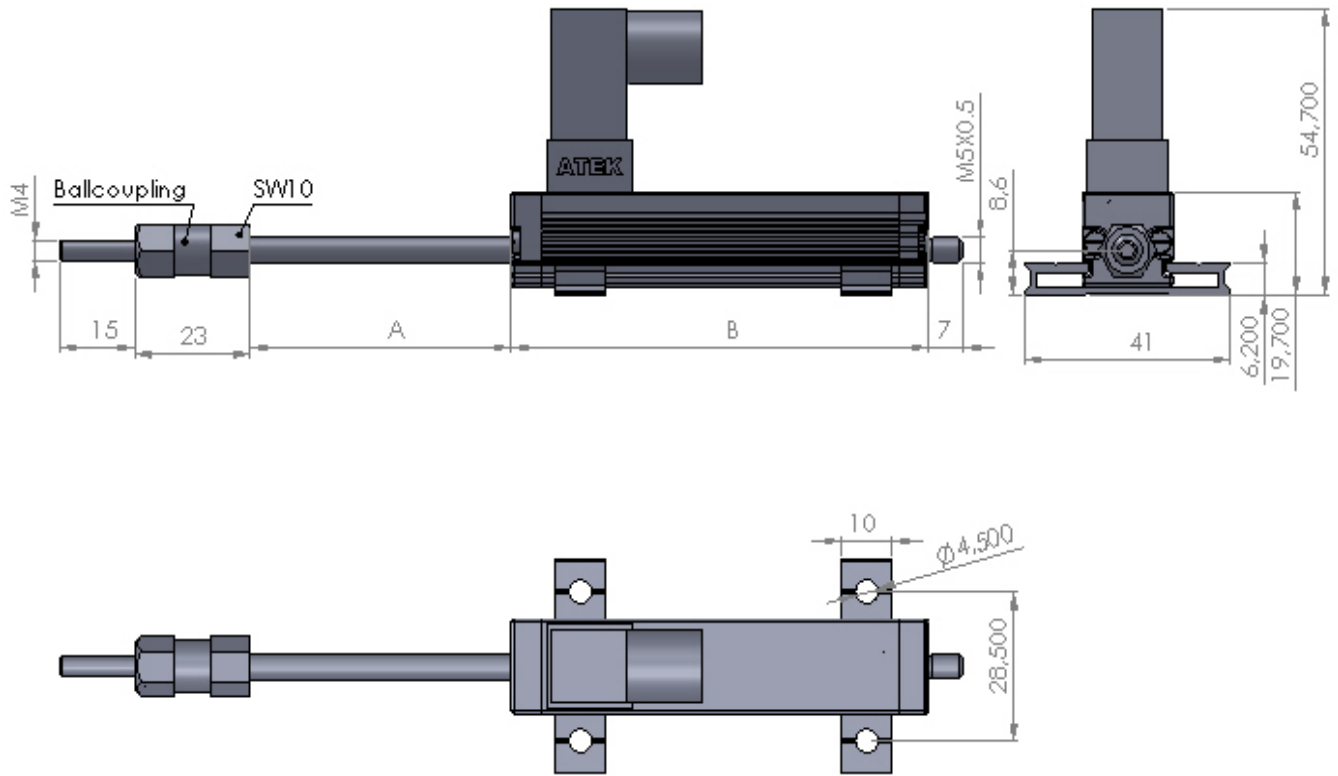
Technical Specifications

| | |
|--------------------------------|---------------------------------|
| Defined Electrical Ranges (mm) | 10 – 25 – 50 – 75 – 100 – 150 |
| Resistance Element | Conductive Plastic |
| Output Signals | Potentiometric |
| Independent Linearity | ± %0,6 |
| Socket Connection | 4 pin female DIN43650 |
| Power Supply | Maximum 42 VDC |
| Resistance | 5K – 10 K ±%20 (Optional Other) |
| Operating Temperature | -30°C +100°C |
| Life | 100 Million Movements |
| Spindle Material | Stainless Steel |
| Body Material | Anodized Aluminum |

SAMPLE APPLICATION



Mechanical Measurements



| Strokes (mm) | 25 | 50 | 75 | 100 | 150 |
|-------------------|----|----|-----|-----|-----|
| A | 27 | 52 | 77 | 102 | 152 |
| B | 63 | 88 | 113 | 138 | 188 |
| Electrical Stroke | 25 | 50 | 75 | 100 | 150 |
| Mechanical Stroke | 27 | 52 | 77 | 102 | 152 |

Order Code

Model No

Length Options / Measuring Length

Measuring sizes from 10 mm to 150 mm

L T - 1 0 0



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