

KTF LINEAR MOTION POSITION SENSOR, RODLESS TYPE

KTF

IXTHUS
Instrumentation



- Robust design for industrial use, long service life
- Stroke length 50-3000 mm
- IP50
- Temperature range -30...+100 °C

PRODUCT DESCRIPTION

KTF standard linear transducers are designed for direct absolute measurement and are available in stroke lengths up to 3000mm. The rodless design allows the actuator to be driven from side and along the whole length. A magnetically restrained stainless steel band covering all the opening through which the actuator operates. Features:

- Durable bearing and slider
- Anonized aluminium housing
- Smooth low noise output from conductive plastic tack
- Long service life: >100x10⁶ cycles or >25x10⁶ meters
- Maximum operating speed 10m/s

SPECIFICATIONS

| | |
|--|---|
| Working Speed Max | 10 m/s |
| IP Class | IP50 |
| Stroke min | 50 mm |
| Stroke max | 3000 mm |
| Supply Voltage Max | 60 V |
| Power Consumption min | 3 W |
| Power Consumption max | 10 W |
| Conductor | ≤1 mA |
| Power Resistor | ≤10 mA |
| Linearity | ±0,07 % (50-375 mm), ±0,05 % (400-3 000 mm) |
| Repeatability | ±0,01 mm |
| Operating Force | ≤2 N |
| Vibration Resistance | IEC 68-2-6:1982 10 G |
| Shock Resistance | IEC 68-21968 40 G |
| Temperature range from | -30 °C |
| Temperature range to | 100 °C |
| Temperature range bearing, from | -50 °C |

Temperature range bearing, to

120 °C

