

KTC LINEAR MOTION POSITION SENSOR, PULLING ROD TYPE

KTC

IXTHUS
Instrumentation



- Robust design for industrial use, long service life
- Stroke length 50-1250 mm
- IP60 or IP65
- Temperature range -30...+100 °C

PRODUCT DESCRIPTION

KTC linear motion position transducers are designed for direct absolute measurement and are available in stroke lengths up to 1250mm. Features:

- Durable bearing and slider
- Anodized 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	IP65, IP60
Stroke min	50 mm
Stroke max	1250 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 (KTC), ≤10 N (KTC-P)
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

