

IKM Linear Position Sensor 10 ... 300 mm



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|------------------|-----------------------------|
| Very Long Life | >100×10 ⁶ Cycles |
| Operating Speed | 5m/s max |
| Work Temperature | -20~90°C |
| Vibration | IEC 68-2-29 : 40g |
| Linearity | ±0.1% |
| Sealing | IP65 |

This mini position transducer is designed for direct absolute measurement and available in stroke length up to 300mm. The mini design is suitable for mounting in instruments or machines with limited space.

An improved technique for making connection to resistance track (Double Trimming Technique) ensures the higher degrees of reliability and linearity, while multi-fingers wipers stabilize output signals, even in the most adverse working conditions.

| IKM Rod Type | 10mm | 15mm | 25mm | 50~75mm | 100~300mm | Stroke Length (mm) |
|-------------------------|--|------|------|---------|-----------|--------------------|
| Linear Precision (±%FS) | ±0.1% | | | | ±0.05% | 10 15 25 |
| Resistance (±10%) | 1KΩ | | | | 5KΩ | 50 75 100 |
| Effective Stroke | range+3mm | | | | | 125 150 175 |
| Resolution | Infinite | | | | | 200 225 250 |
| Repeatability Precision | 0.01mm | | | | | 275 300 |
| Max Speed | 5m/S | | | | | |
| Recommended Current | ≤1mA | | | | | |
| Temperature Range | -60°C~+150°C | | | | | |
| Output | 0~100% × input voltage (change with the movement of the rod) | | | | | |
| Sensitivity | 1 | | | | | |
| Temperature Drift | infinitesimal | | | | | |
| Very long life | >100*100000 cycles, >25*1000000 m | | | | | |

