

## IKM Linear Position Sensor 10 ... 400 mm



Very Long Life	>100×10 <sup>6</sup> 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 400mm. 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 series		10	25	50	75	100	125	150	200	250	300	350	400
Total Electrical Travel (T.E)	mm	11	26	51	76	101	126	151	201	251	301	351	401
Active Electrical Travel (A.E)	mm	10	25	50	75	100	125	150	200	250	300	350	400
Resistance ±20%	KΩ	1	1	5	5	5	5	5	5	5	5	5	5
Independent Linearity	±%	0.3	0.2	0.1	0.1	0.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Mechanical Travel (M.T)	mm	15	30	55	80	105	130	155	205	255	305	355	405
Resolution		infinite											
Recommended Cursor Current	uA	<1											
Temperature Range	°C	-30~+100											
Dimensions A	mm	95	110	135	160	185	210	235	285	335	385	435	485
Dimensions B	mm	32	47	72	97	122	147	172	222	272	322	372	422
Dimensions C	mm	148	163	188	213	238	263	288	338	388	438	488	538
Net Weight KPZ34-A	gm	90	110	125	150	180	195	210	235	260	290	320	350

