

IKM

Potentiometer conductive plastic linear

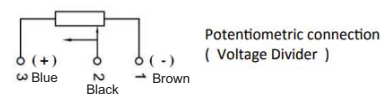
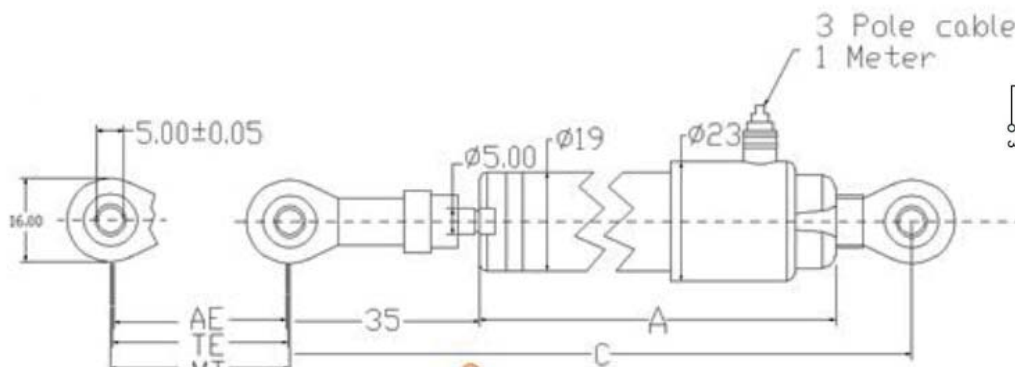


- Effective stroke 10 mm to 400 mm
- Non-linearity 0.5% FS - Infinite resolution - Repeatability 0,01 mm.
- Shell anodized, corrosion resistant
- Displacement speed MAX. to 5 m/s
- Built-in conductive plastic measuring unit, no temperature drift
- Sealing rating of IP65, small size, compact structure, easy installation
- Maximum angular movement up to $\pm 30^\circ$
- The grooves provide an excellent alternative to the usual system

Technical Specifications

Defined Electrical Ranges	10.... 400 mm
Resistance Element	Conductive Plastic
Output Signals	Potentiometric (Voltage Divider)
Independent Linearity	$\pm 0,2$
Electrical Connection	4 pin female socket
Power Supply	Max. 42 VDC
Resistance	5K or 10Kohm and other (± 20 tolerance)
Protection Class	IP65
Temperature Range	-30°C +100°C
Life	100 million movements
Mechanical Fixing	With 2 ball-joints
Rod Material	Stainless steel
Housing Material	Anodized aluminium

IKM SERIE		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 $\pm 20\%$	K Ω	1	1	5	5	5	5	5	5	5	5	5	5
Independent Linearity	$\pm\%$	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	μA	<1											
Temperature Range	$^\circ C$	-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	gm	90	110	125	150	180	195	210	235	260	290	320	350



SENSORES E INSTRUMENTACION
GUEMISA S.L.

NIF: B-87969416

C\ La Fundación 4 Bis - Pl 1ª Oficina-2
28522 Rivas Vaciamadrid (Madrid)
Telf. 91 764 21 00

email: ventas@guemisa.com

www.guemisa.com