



Features :

- Linear Transducer is a simply mounted, high precision industrial linear motion transducer.
- Measuring range 30 mm – 800 mm
- Long mechanical life 100.000.000 cycles
- Excellent repeatability
- Very low temperature drift
- Infinite resolution

Main Applications :

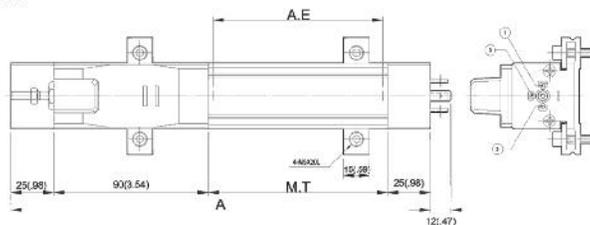
- Plastic / Metal Injection Moulding
Machineries, Textile Machineries, Transfer / Hydraulic Machineries,
Marble / Stone Machineries and General Automation Applications

RATING

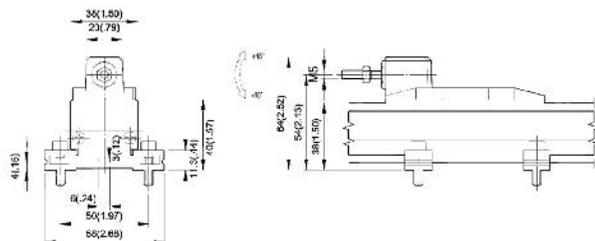
| KTF Series | | 100 | 150 | 225 | 300 | 375 | 450 | 525 | 600 | 750 | 900 | 1000 |
|-------------------------------|--------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|
| Total Electrical Travel(T.E) | mm(inch) | 102 (4.02) | 152 (5.98) | 229 (9.02) | 305 (12.01) | 381 (15.00) | 457 (17.99) | 533 (20.98) | 610 (24.02) | 762 (30.00) | 914 (35.98) | 1016 (40.00) |
| Active Electrical Travel(A.E) | mm (inch) | 100 (3.94) | 150 (5.91) | 226 (8.90) | 302 (11.89) | 378 (14.88) | 455 (17.91) | 531 (20.91) | 607 (23.90) | 759 (29.88) | 912 (35.43) | 1013 (39.88) |
| Resistance $\pm 0\%$ | K Ω | 3.4 | 5.0 | 2.4 | 3.2 | 4.0 | 4.8 | 5.6 | 6.4 | 8.0 | 9.6 | 10.7 |
| Independent Linearity | $\pm\%$ | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| Mechanical Travel(M.T) | mm (inch) | 104 (4.09) | 155 (6.10) | 231 (9.09) | 307 (12.09) | 384 (15.12) | 460 (18.11) | 536 (21.10) | 612 (24.09) | 765 (30.12) | 917 (36.10) | 1019 (40.12) |
| Resolution | | infinite | | | | | | | | | | |
| Recommended Cursor Curren | μA | <1 | | | | | | | | | | |
| Temperature Range | $^{\circ}C$ | -55~+125 | | | | | | | | | | |
| Dimensions A | mm (inch) | 245 (9.65) | 296 (11.65) | 372 (14.65) | 448 (17.64) | 525 (20.67) | 601 (23.66) | 677 (26.65) | 753 (29.65) | 906 (35.67) | 1058 (41.65) | 1160 (45.67) |

DIMENSIONS

Mechanical KTF



Coupling Joint



| TECHNICAL SPECIFICATIONS | |
|--------------------------|---------------------------|
| Resistance | 5 or 10 Kohm |
| Resistance tolerance | ± %20 |
| Electrical connections | 4 Pole, Hydraulic Type |
| Load resistance | RL ≥ 1 Mohm |
| Rod material | Stainless steel |
| Rod diameter | 6 mm |
| IP Degree | IP54 |
| Mechanical fixing | Variable brackets |
| Case material | Anodized aluminium |
| Mechanical Stroke | 30 to 800 mm |
| Linearity | ± %0,5 ; ± %0,1 ; ± %0,05 |
| Mechanical life | 100 million cycle |
| Repeatability | ≤ %0,05 |
| Displacement speed | ≤ 5 m/s |
| Working temperature | - 20 / + 80 °C |

Dimensions

| Dimensions | | | | |
|------------|-----|------------------------|-----------------------------------|------------------|
| Model | LM | Mechanical Stroke (MS) | Electrical Measuring Stroke (EMS) | Total Length (L) |
| LPT | 30 | 32 mm | 30 mm | 173 mm |
| LPT | 50 | 52 mm | 50 mm | 193 mm |
| LPT | 100 | 102 mm | 100 mm | 243 mm |
| LPT | 125 | 127 mm | 125 mm | 268 mm |
| LPT | 150 | 152 mm | 150 mm | 293 mm |
| LPT | 175 | 177 mm | 175 mm | 318 mm |
| LPT | 200 | 202 mm | 200 mm | 343 mm |
| LPT | 225 | 227 mm | 225 mm | 368 mm |
| LPT | 250 | 252 mm | 250 mm | 393 mm |
| LPT | 275 | 277 mm | 275 mm | 418 mm |
| LPT | 300 | 302 mm | 300 mm | 443 mm |
| LPT | 325 | 327 mm | 325 mm | 468 mm |
| LPT | 350 | 352 mm | 350 mm | 493 mm |
| LPT | 375 | 377 mm | 375 mm | 518 mm |
| LPT | 400 | 402 mm | 400 mm | 543 mm |
| LPT | 450 | 452 mm | 450 mm | 593 mm |
| LPT | 500 | 502 mm | 500 mm | 643 mm |
| LPT | 550 | 552 mm | 550 mm | 693 mm |
| LPT | 600 | 602 mm | 600 mm | 743 mm |
| LPT | 650 | 652 mm | 650 mm | 793 mm |
| LPT | 700 | 702 mm | 700 mm | 843 mm |
| LPT | 750 | 752 mm | 750 mm | 893 mm |
| LPT | 800 | 802 mm | 800 mm | 943 mm |

Mechanical Dimensions

