

LTM SERIES

LINEAR DISPLACEMENT TRANSDUCER/SENSOR

FEATURES

- ◎ The spherical hinge prevents lateral forces.
- ◎ Long service life, with over 30 million cycles.
- ◎ Ideal for applications in confined spaces.
- ◎ Resolution greater than 0.01mm.
- ◎ High speed operation.
- ◎ DIN 43650 standard plug and socket.
- ◎ IP65 protection rating (IP57 when mounted downward).
- ◎ Configurable voltage or current (2-wire, 3-wire) modules.



INTRODUCTION

The LTM series displacement transducers are ideal for installation in narrow or confined spaces. These universal rod-type sensors feature conductive plastic film with an automatic electrical grounding function. The integrated conductive plastic measuring unit ensures no temperature drift and a long service life. With a 2mm buffer stroke at both ends, the anodized shell provides corrosion resistance, and the rod's ball head includes a 0.5mm automatic centering function.

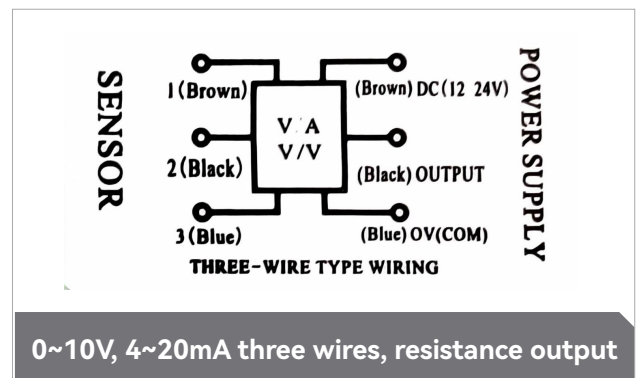
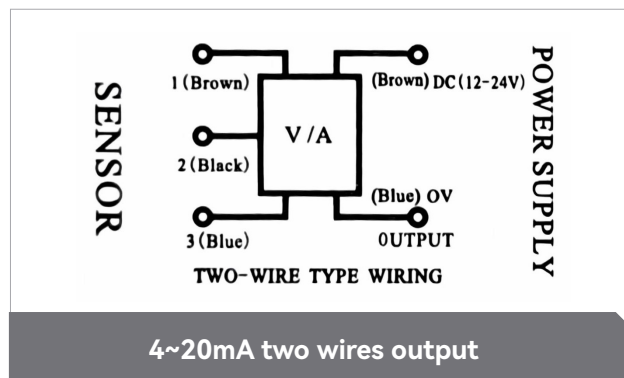
SPECIFICATIONS

Useful Electrical Stroke	From 10 to 300mm
Resolution	Infinite
Displacement speed	<5m/s
Linearity	± 0.05%
Resistance	1Ω/2Ω/5Ω
Resistance tolerance	± 20%
Electrical connection	Cable leads
Power supply	15~30VDC
Shell size	18x18mm
Repeatability	0.01mm
Working Temperature	-60~150°C
Protection	IP67

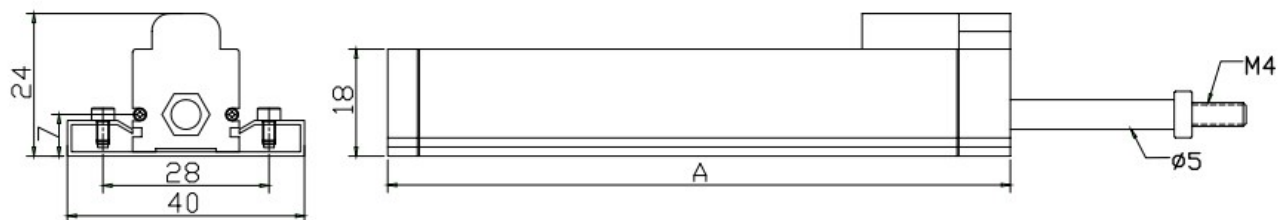
TECHNICAL DATA

Model	mm	10	25	50	75	100	125	150	175	200	225	250	225	300
Useful electrical stroke	mm	10	25	50	75	100	125	150	175	200	225	250	225	300
Resistance $\pm 10\%$	k Ω	1.0	1.0	2.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Mechanical stroke	mm	13	28	53	78	103	128	153	178	203	228	253	228	303
Case Length	mm	53	68	93	118	143	168	193	218	243	268	293	268	343
Tip Length	mm	42	57	82	107	132	157	182	207	232	252	282	252	332
Total Length	mm	68	83	108	133	158	183	208	233	258	283	308	283	358

ELECTRICAL CONNECTION



MECHANICAL DIMENSION



ORDER FORMAT

LTM - **50** - **C2** - **W2**

Stroke	Code
10mm	10
25mm	25
...	...
300mm	300

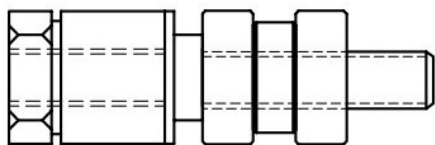
Cable length	Code
1 meter(Standard)	Null
2 meters	W2
3 meters	W3
Others on request	...

Output signal	Code
Resistance	Null
4~20mA	C2
0~10V	V1
RS485	R4

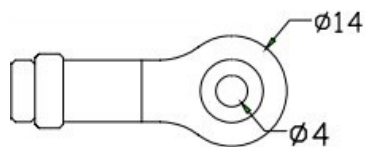
Example: LTM-50, LTM series, 50mm stroke, standard resistance output and 1 meter cable leads.

LTM-50-C2-W2, LTM series, 50mm stroke, 4~20mA output, 2 meters cable leads.

ACCESSORIES



Universal joint UT04



Ball joint BT04

STANDARD ACCESSORIES:

Fixing kit: 2 brackets, 4 screws, 1 UT04 universal joint