

LTF SERIES

RODLESS LINEAR DISPLACEMENT TRANSDUCER/SENSOR

FEATURES

- ⊙ Rodless design
- ⊙ Spherical hinge prevents lateral forces
- ⊙ Long service life with over 30 million cycles
- ⊙ Low non-linearity
- ⊙ Resolution greater than 0.01mm
- ⊙ High speed operation
- ⊙ IP65 protection rating (IP57 when mounted downward)
- ⊙ Configurable voltage or current (2-wire, 3-wire) modules



INTRODUCTION

LTF series Rodless Linear Displacement Transducer/Sensor feature with automatic electrical grounding function, the rod and ball head have a 10mm automatic correction function, the built-in conductive plastic measuring unit makes sensors no temperature drift and long service life. 4mm buffer stroke at both ends. The shell surface is anodized for corrosion resistance, optional transmission module for mA or voltage output.

SPECIFICATIONS

Useful Electrical Stroke	From 50 to 2500mm
Resolution	Infinite
Displacement speed	<5m/s
Linearity	± 0. 05%
Resistance	5kΩ/105kΩ/20kΩ
Resistance tolerance	± 20%
Load Resistance	Min 100kΩ
Power supply	15~30VDC
Electrical connection	DIN43650 4PIN
Repeatability	0.01mm
Working Temperature	-60~150°C
Protection	IP67

ORDER FORMAT

LTF - X - X

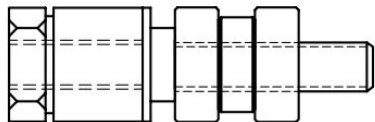
Stroke	Code
50mm	50
75mm	75
...	...
2500mm	2500

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

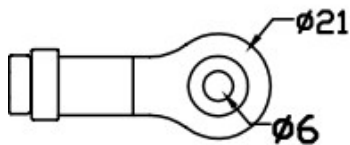
Example: LTF-50, 50mm stroke.

LTF-50-W2, 50mm stroke, 4~20mA output.

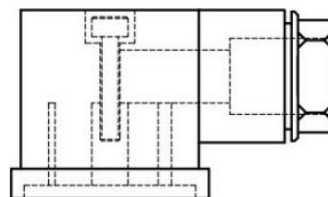
ACCESSORIES



Universal joint UT06



Ball joint BT06



Connector CON04

STANDARD ACCESSORIES:

Fixing kit: 2 brackets, 4 screws, 1 UT06 universal joint, 1 CON04 connector