

LTR SERIES DISPLACEMENT TRANSDUCER/ SENSOR

FEATURES

- ◎ Compact size
- ◎ Long service life, with up to 30 million cycles
- ◎ Internal and external spring
- ◎ Dual-bearing linkage rod
- ◎ Immune to external shocks and vibrations
- ◎ Optional 4~20mA and 0~10V outputs



INTRODUCTION

LTR series displacement transducer / sensor is ideal for installing at narrow and small space, the return spring automatically returns the rod to zero position, making the transducer suitable for comparator applications. 2mm buffer stroke at both ends with automatic electrical grounding function, optional transmission module for mA or voltage output.

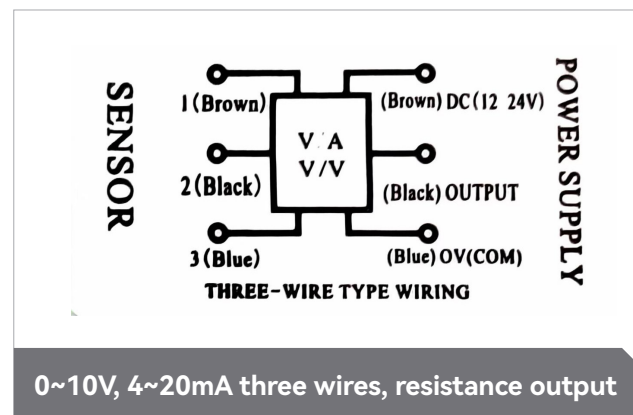
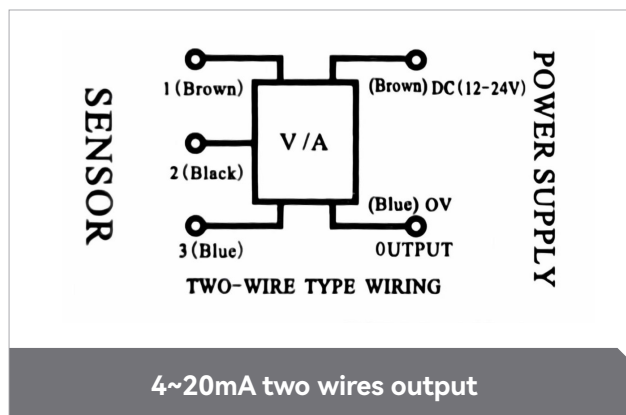
SPECIFICATIONS

Useful Electrical Stroke	From 5 to 100mm
Resolution	Infinite
Displacement speed	<3m/s
Linearity	± 0.05%
Resistance	1kΩ/2kΩ/5kΩ
Electrical connection	Cable leads
Output signal	4~20mA, 0~10V, RS485 optional
Rob diameter	5mm
Repeatability	0.01mm
Working Temperature	-60~150°C
Protection	IP67

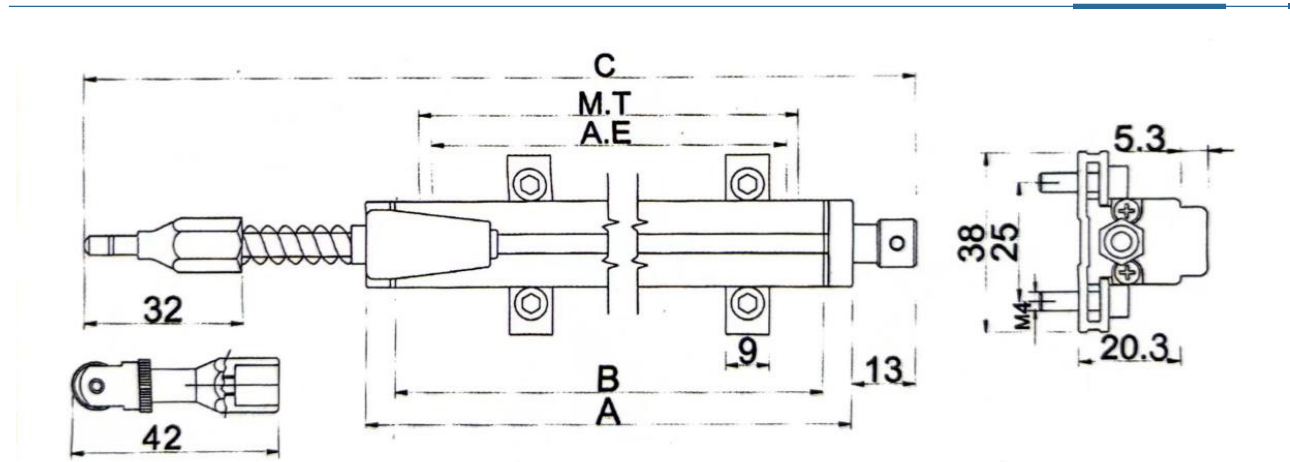
TECHNICAL DATA

Model	mm	5	10	15	25	50	75	100
Useful electrical stroke	mm	5	10	15	25	50	75	100
Resistance $\pm 10\%$	k Ω	2	2	5	5	5	5	5
Mechanical stroke	mm	9	14	19	29.5	54.5	79.5	105
Independent linearity	mm	1	1	0.5	0.5	0.25	0.15	0.1
Case Length	mm	43.5	48.5	53.3	78	93	118	143
Weight	g	56	59	60	63	125	140	160

ELECTRICAL CONNECTION



MECHANICAL DIMENSION



ORDER FORMAT

LTR - I - 50 - C2 - W2

Type	Code
External spring with probe head	Null
External spring with roller head	R
Internal spring	I

Stroke	Code
5mm	5
10mm	10
...	...
100mm	100

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

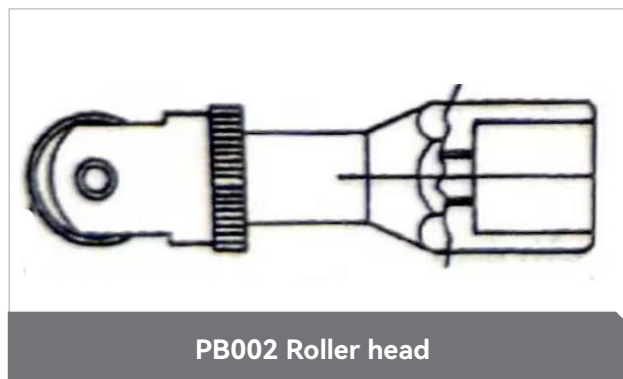
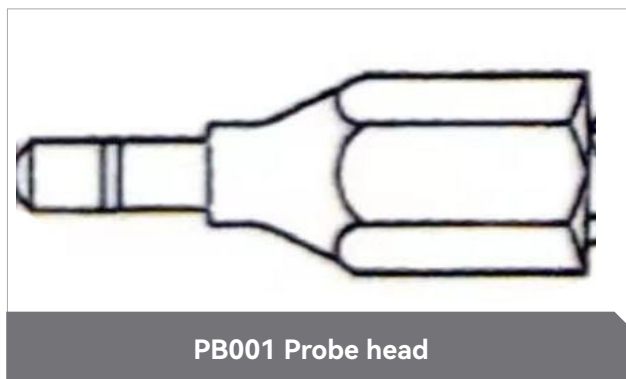
Output signal	Code
Resistance	Null
4~20mA	C2
0~10V	V1
RS485	R4

Example: LTR-50, LTR series external return spring type with PB001 probe head, 50mm stroke.

LTR-I-50-W2, LTR series internal return spring type, 50mm stroke, 2 meters cable leads

LTR-R-50-C2, LTR series external return spring type with PB002 roller head, 50mm stroke, 4~20mA output.

ACCESSORIES



STANDARD ACCESSORIES:

Fixing kit: 2 brackets, 4 screws, probe head PB001