

PCM 位移传感器 LD-LDT- 5mm



产品型号:

LD-LDT- 5mm

DT 的线性位移传感器

模型: LD 公司

关键特征:

能力 (5 毫米。

线性 $\pm 0.1\%$ FS。

IP40 等级。

应用:

测试机器。

流程控制。

研究与发展。

datasheet: LD 激光线性位移传感器

激光位移传感器

在 LD 公司是一个线性位移传感器测量移动 IP 两毫米。LDT 的冰和应变 *gauged* 基会的工作与仪表, 接



传感器 | 控制仪表 | 推拉力计 | 扭力计

www.sensortop.cn

受一个惠斯登电桥， mV/V 的输入。从生产不锈钢激光焊接的鸭子说，“高机械阻力的 LDT 的受害者。

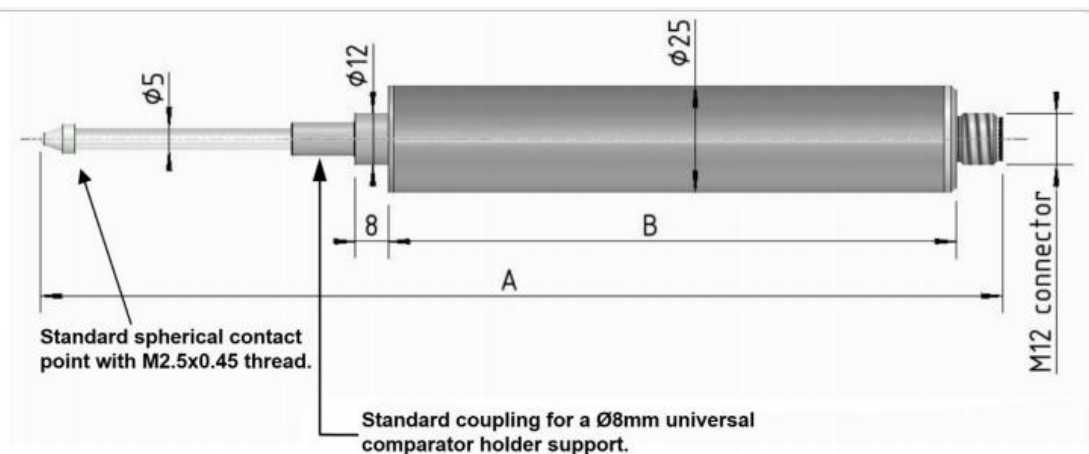
supplied AS 标准的 M12 连接器与输出。

在 LD 公司是可用的和可选的输出 $0.5-5.5v$ amplified 大学。

观看全规格，请下载 *datasheet* 产品。

Typical Specification

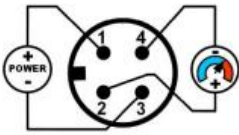
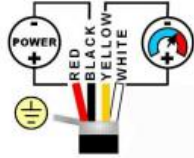
PARAMETER	VALUE	UNITS
Nominal Displacement	5, 10, 25, 50, 100, 200	mm
Rated Output	$2 \pm 0.1\%$	mV/V
Linearity	0.10	$\pm\%$ of Rated Output
Temperature Effect: On Zero	0.01	$\pm\%$ of Rated Output/ $^{\circ}C$
Temperature Effect: On Output	0.005	$\pm\%$ of Rated Output/ $^{\circ}C$
Bridge Resistance	350	Ω
Insulation Resistance	>5	G Ω
Zero Balance	0.5	$\pm\%$ of Rated Output
Excitation: Nominal	1-15	Volts AC or DC
Excitation: Maximum	18	Volts AC or DC
Temperature Range: Operating	-10 to +70	$^{\circ}C$
Temperature Range: Storage	-20 to + 80	$^{\circ}C$
Weight	0.150 to 0.300	~ KG
Spring Force	2-4	N
Environmental Protection	IP40	-
Cable Length	5m	-
Construction Material	Stainless Steel	-
Electrical Connection	M12 Male, 4 poles	-



If the dimensions or specification do not suit, PCM has an in-house design team that should be able to satisfy your requirements.

DISPLACEMENT (MM)	CODE	A	B
5	TLDT5MM	120	76
10	TLDT10MM	125	76
25	TLDT25MM	140	76
50	TLDT50MM	223	134
100	TLDT100MM	373	240
200	TLDT200MM	675	434

Electrical Connections

WIRING DIAGRAM	OUTPUT	CABLE
	EXCITATION +	RED
	OUTPUT +	WHITE
	EXCITATION -	BLACK
	OUTPUT -	YELLOW
		

Shielded PVC cable with moulded M12 connector 4 poles.  = Shield connected to the lock nut.

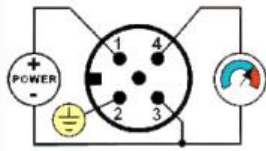
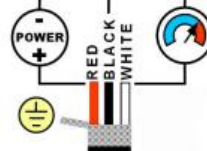
Loading Mode



Typical Specification

PARAMETER	VALUE	UNITS
Nominal Displacement	5, 10, 25, 50, 100, 200	mm
Rated Output	0-5-5	Volts DC
Loading Resistance MINIMUM	3	KΩ
Insulation Resistance	>2	GΩ
Zero Balance	0.5	±% of Rated Output
Excitation: Nominal	12-24	Volts DC
Excitation: Maximum	28	Volts DC
Maximum Absorption	20	Ma

Electrical Connections

WIRING DIAGRAM	OUTPUT	CABLE	CONNECTOR
	EXCITATION +	RED	
	OUTPUT +	WHITE	
	EXCITATION -	BLACK	
	OUTPUT -	BLACK	

Shielded PVC cable with moulded M12 connector 4 poles.  = Shield connected to the lock nut.