

### ■用途 Usage

LBD-TP型热电阻信号温度变送器可对温度传感器输出的热电阻温度信号Pt100, Pt1000, Cu50进行精确测量, 经隔离, 变送, 传输, 转换成标准的模拟信号输出。可将一路信号分配成两路。可直接与显示仪表相接, 同时亦可以与PLC, DCS, 各种A/D转换器以及计算机系统相接。  
广泛运用于机械, 电力, 铁路, 石化, 冶金, 化工, 食品, 污水处理行业的自动化系统中。

LBD-TP thermistor isolate transducer can make accurate measurement of PT100,PT1000,CU50, isolate and transmit into standard analog output. It can separate one -channel signal into two-channel,three-channel,four-channel isolated signal.It can directly connect digital display ,PLC,DCS,various A/D converter,computer system.So,it is a excellent product with high price performance ratio widely used in automation system of many industries such as machinery,electric power,railway,petrochemical,metallurgical,chemical engineering,sewage treatment and so on.

### ■特点 Feature

测量: Pt100, Pt1000, Cu50等。

精度:  $\leq \pm 0.2\%RO$

隔离方式: 输入、输出、电源三方完全隔离。抗干扰强。

输出: 4~20mA, 0~10V, 1~5V, 2~10V, 0~20mA等。

工作电源: DC24V, DC110V, DC220V, AC220V等。

Measure: Pt100, Pt1000, Cu50 and so on.

Accuracy:  $\leq \pm 0.2\%RO$ .

Isolation: Between input/output/ power supply.

Output: 4~20mA, 0~10V, 1~5V, 2~10V, 0~20mA and so on.

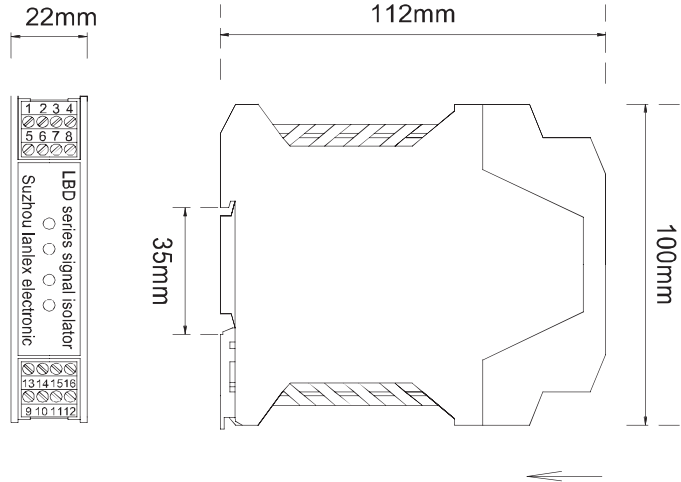
Power supply: DC24V, DC110V, DC220V, AC220V and special.

### ■技术参数 Technical parameters

输入信号 Input signal	Pt100, Pt1000, Cu50 and so on.
响应时间 Response time	<400mSec.
输出电压 Output voltage	0~10Vdc, 1~5Vdc, 0~5Vdc, and special
输出电流 Output current	4~20mAdc, 0~20mAdc, 0~10mAdc, and special
输出负载 Output overload	电流输出时<750Ω, 电压输出时>1000Ω Output current <750Ω, Output voltage >1000Ω
输出满度校调 Span adjustment	$\leq \pm 20\%$ of R.O.
输出零点校调 Zero adjustment	$\leq \pm 10\%$ of R.O.
工作电源 Power supply	AC220V $\pm 10\%$ 、AC110V、DC220V、DC110V、DC24V $\pm 20\%$
电源功耗 Consumption	直流供电<3W, 交流供电<4VA DC Power <3W, AC Power <4VA
外壳材料 Case material	ABS
隔离 Isolation	输入/输出/电源/外壳 互相隔离 Between input/output/power/case
耐压强度 Isolation voltage	AC2KVrms/min
绝缘阻抗 Insulation resistance	>100MΩ, DC500V
工作环境温湿度 Operating temperature humidity	— 10℃~55℃, <80%相对湿度 (无冷凝状态) — 10℃~55℃, <80%Relative humidity(non-condensing)
储存环境温湿度 Storage temperature humidity	— 20℃~70℃, <70%相对湿度 (无冷凝状态) — 20℃~70℃, <70%Relative humidity(non-condensing)
外型尺寸 Case dimension	100mm(长) × 22mm (宽) × 112mm (高) 100 mm(Length) × 22mm (Width) × 112mm (Height)
安装方式 Mounting	标准导轨35mm DIN rail 35mm
重量 Weight	<200克 <200g

信号隔离器  
Signal isolator

### 外型尺寸 Dimension



### 选型代码 Model Code

企业代码 Company code	功能代码 Function code	输入代码 Input code	输出1代码 Output1 code	输出2代码 Output2 code	工作电源代码 Aux.power	
LBD-T	P	Pt100	A 0~100℃	A4 4~20mA	A4 4~20mA	D DC24V
		Thermistor	B 0~150℃	A2 0~20mA	A2 0~20mA	A2 AC220V
	P1	Pt1000	C 0~200℃	A1 0~10mA	A1 0~10mA	A1 AC110V
		Thermistor	D 0~400℃	V0 1~5V	V0 1~5V	D2 DC220V
	Cu	Cu50	E 0~800℃	V1 0~10V	V1 0~10V	D1 DC110V
		Thermistor	F -20~150℃	V2 2~10V	V2 2~10V	Y Special
			G -50~200℃	V3 0~5V	V3 0~5V	
			Y Special	Y Special	N NO	
					Y Special	

### 订货范例 Order example

型号 Model : LBD-TPCA4ND  
 输入 Input : Pt 100 ( 0~200℃ )  
 输出 Output : 4~20mAdc  
 工作电源 Aux.power : DC24V

### 接线图 Connection Diagram

