食品专用一体化温度变送器

概述:

◆ 热电阻设计用于中低压力过程中的温度测量,测量范围 -200~~+600 ,可以满足绝大多数测温需求。

- ◆ 热电阻形式有 PT100 和 PT1000。变送器可以将铂电阻的电阻信号转换成线性温度信号 4-20mA 或 0-10V
- → 可以提供不同的过程接口,例如可动卡套螺纹等要求快速响应时间时,可以选用锥形保护管。
- ◆ 电气接口为 L型插头,符合 DIN EN 175301-803
- ◇ 与过程介质接触的部件均用不锈钢制成。

特性:

结构紧凑,尺寸小; 便携式;

价格低廉; 交货时间短; 互换性好;

选项带变送器: 4-20mA 或 0-10V

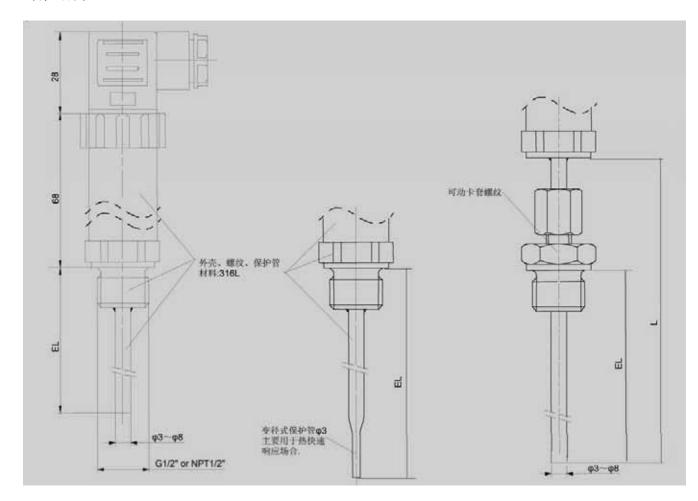
应用于:食品、制药、供热、冷却、空调技术回路、环境工程

测温范围 (带变送器)

0-50℃ 0-100℃ 0-120℃

待定客户要求

外形结构



上海岗崎控制仪表有限公司

直线传真:021-64348835

网 址: http://www.therncway.com



技术参数:

	铂电阻		铂电阻+变送器	
型号	T85/2 二线制 T	85/3 三线制	T85/20 4-20 mA	
	T85/4 四线制 T	85/22 2×二线制	T85/10 0-10 V	
传感器	标准 PT100 B 级	标准 PT1000 B 级	标准 PT100 B 级	
	选项 PT100 A 级	选项 PT1000 A 级	选项 PT100 A 级	
输出信号和	PT100	PT1000	4-20mA,二线制	
电源电压			电源电压:10-30V DC 纹波:<10%	
			0-10V 三线制	
			电源电压:12-30 V DC 纹波:<10%	
铂电阻精度	A 级:+/-(0.15+0.002 t	A 级:+/-(0.15+0.002 t	,	
))	B 级:+/-(0.3+0.005 t)	
温度范围	标准: - 50~+200	- 50 ~ +400	0-50 0-100 0-120	
	- 50 ~ +600	- 200 ~ +600	(F. M. Neille H. F.	
测温范围	参阅温度范围	参阅温度范围	任选测温范围	
			标准形式 最小	
			范围:50 最	
			大范围:250	
			高温形式: 最	
			小范围:150	
过程接口	固定螺纹: G3/8A, G1/4A, G 1/2A, G3/4A, 1/2 NPT, 1/4 NPT, M14 ★ 1.5 可动卡套螺纹; G 1/2A, G1/4A, G3/8A, G3/4A, 1/2 NPT 其他接口可协商订购			
 材料		74A, G3/6A, G3/4A, T/Z NI	71 英他按口可炒的订购	
1/3 1/4	不锈钢 316L 其他材料或涂层可协商订购			
保护管长度	3 锥形快速响应保护管 12bar ,			
和压力范围	保护管长度 25mm 3*0.3mm			
	保护管长度 50mm 升至 100mm 6*0.3mm 带锥形保护管 3*0.3mm			
	保护管长度 150mm, 8*1.75mm 带锥形保护管 6*0.3mm 带锥形保护管 3*0.3mm			
	6*0.75mm 保护管 50mm 至 500mm 40bar			
	8*1.75mm 保护管 50mm 至 1000mm 100bar			
	特殊材料制造的特殊部件压力 600bar			
精确度	变送器<0.25%*测温范围			
环境温度	连接器处 125 带变送器			
贮存温度	-40 85			
电气接口	L 型插头符合:DIN EN			
抗电磁干扰	抗辐射干扰符合:DIN EN 61326 断电影响符合:DIN EN 61326			
外壳防护等级	IP65 符合 DIN EN 60529/IEC 529			

电话: 021-64348778/64348836/54263620 传真: 021-6434 联系地址:上海市闵行区景联路 399 号 A 幢三楼 邮编: 201108

传真:021-64348778/64348836/54263620 转 816 分机

Integral temperature sensor for foods application (Sanitary specifications applied)

Description

- It is designed for temperature measurement in processes with the medium and low pressures. Measurement ranges between -200 ~~ +600 cover the majority of your temperature measuring tasks.
- The thermometers are available with platinum sensors PT100 and PT1000. The transmitter converts the resistance of the platinum sensor into a linear temperature signal 4-20mA or 0-10V
- Different process connections, as well as adjustable compression fittings underline the variability of this measuring instrument. To achieve fast reaction times a version with a tapered stem is also available.
- ♦ The electrical connection is realized with an L-plug according to DIN EN 175301-803
- All thermometer parts which get in contact to the process medium are made of stainless steel.



Features

Compact dimensions; easy handling; cost efficient; short delivery times; simple exchanges; optional with transmitter 4-20mA or 0-10V

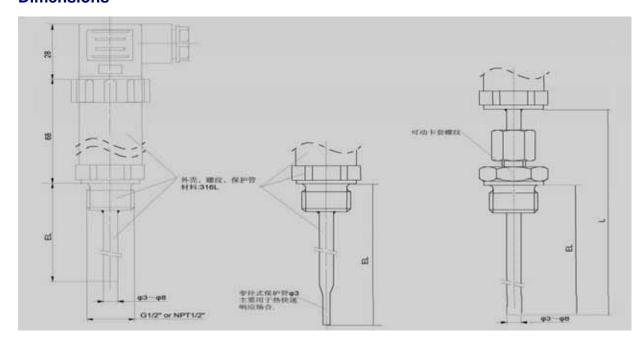
Applications: Food industry; Pharmacy; Heating and cooling circuits, air condition technology; Environment engineering

Measuring ranges (with transmitter)

0-50 0-100 0-120

According to customers requirements

Dimensions



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址: http://www.therncway.com

Technical data:

		PT	PT+transmitter		
Model		「85/3 → 2-wire 「85/22 → 2×2-wire	T85/20 → 4-20 mA T85/10 → 0-10 V		
Sensor	Standard PT100 Class B Optional PT100 Class A	Standard PT1000 Class B Optional PT1000 Class A	Standard PT100 Class B Optional PT100 Class A		
Output signal and supply voltage	PT100	PT1000	4-20mA 2-wire Supply voltage: 10-30V DC Ripple: <10% 0-10V 3-wire		
Class	Class A: +/-(0.15+0.002 t)	Class A: +/-(0.15+0.002 t)	Class A: +/-(0.15+0.002 t) Class B: +/-(0.3+0.005 t)		
Temperature range	Standard: - 50 ~ +200 - 50 ~ +600	- 50 ~ +400 - 200 ~ +600	0-50 0-100 0-120		
Measuring range	See temperature range	See temperature range	Selectable measuring ranges Standard versions minimum ranges: 50 maximum range: 250 high temperature version: minimum ranges: 150 maximum range: 800		
Process connections	Fixed thread: G3/8A, G1/4A, G 1/2A, G3/4A, 1/2 NPT, 1/4 NPT, M14×1.5 Adjustable compression fitting; G 1/2A, G1/4A, G3/8A, G3/4A, 1/2 NPT Other connections on request				
Material	Stainless steel 316L Other materials or coatings on request				
Stem length and pressure ranges	ϕ 3mm fast reaction version with tapered stem up to 12bar , Stem length 25mm ϕ 3*0.3mm Stem length 50mm up to 100mm ϕ 6*0.3mm with tapered stem ϕ 3*0.3mm From stem 150mm: ϕ 8*1.75mm with tapered stem ϕ 6*0.3mm with tapered stem ϕ 3*0.3mm ϕ 6*0.75mm from stem 50mm to 500mm: up to 40bar ϕ 8*1.75mm from stem 50mm to 1000mm: up to 100bar special parts manufactured from full material for pressures up to 600bar				
Accuracy	Transmitter: <0.25% of measuring range				
Ambient Storage temperature	At connector max. 125 with transmitter max. 85 -40 up to 85				
Electrical connection	L-plug acc. To DIN EN 175301-803				
EMC resistance	Emitted interference acc. DIN EN 61326 breakdown effect acc. To DIN EN 61326				
Protection Class	IP65 acc. To DIN EN 60529/IEC 529				