

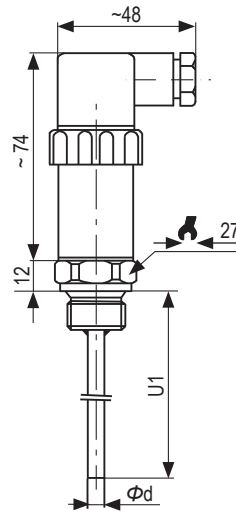


Resistance Thermometer 热电阻温度计

- Measuring ranges from -50°C to 200°C
- Output signal: Pt100 in 2-, 3-, 4-wire circuit
- Compact dimensions
- E-connection: L-Plug, M12×1 or cable outlet
- Process connection and sensor tube from 316L
- Process connection G1/2", 1/2NPT and others

- 测量范围从 -50°C 到 200°C
- 输出信号：2、3、4 线制 Pt100
- 紧凑型尺寸
- 电气连接：L-Plug 插头，M12×1 插头或电缆输出
- 过程连接和探杆均为 316L 材质
- 过程连接为 G1/2"，1/2NPT 或其他

Drawing / 尺寸图

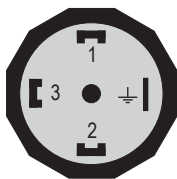


Legend / 图例:

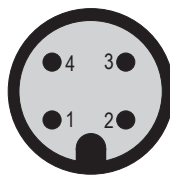
U1 Insertion length / 插入深度
Φd Thermowell diameter / 探杆直径

Wiring diagram / 接线图

L-Plug



M12 × 1



Pin / 针	2 线制	3 线制	4 线制
1	R	R	R
2	W	W	W
3	---	R	R
⊥	---	---	W

Pin / 针	2 线制	3 线制	4 线制
1	R	R	R
2	---	---	R
3	---	R	W
4	W	W	W

Series 8430 / 8430 系列

Resistance Thermometer / 热电阻温度计

Technical Specification / 技术规范		
Measuring range 测量范围	-50 ... +200	[°C]
Measuring element 测量元件	Pt100	
Measuring element tolerance value per IEC 60751 根据 IEC 60751 测量元件公差值	Class B、Class A B 级、A 级	
Accuracy @ 100°C 精度	~ 1 Kelvin ~ 1 开尔文	
Response time 响应时间	$t_{50} < 5$ 、 $t_{90} < 10$ (for sensor diameter 6 mm) $t_{50} < 5$ 、 $t_{90} < 10$ (适用于直径 6 毫米传感器)	[S]
Sensor diameter 探杆直径	6、8	[mm]
Sensor insertion length 传感器插入深度	50、100、120、150 (Max. 500)	[mm]
Fitting thread 螺纹连接	G1/2"、1/2NPT	
Tightening torque, recommended 拧紧扭矩, 推荐	20	[Nm]
Housing 外壳材质	Stainless Steel 316L / 不锈钢 316L	
Material of process connection 过程连接材质	Stainless Steel 316L / 不锈钢 316L	
Material of sensor tube 探杆材质	Stainless Steel 316L / 不锈钢 316L	
Output signal 输出信号	Pt100	
Connection method 连接方法	2-wire、3-wire、4-wire 2 线制、3 线制、4 线制	
Measuring current 测量电流	0,1 ... 1,0	[mA]
Storage temperature 储存温度	-40 ... +125	[°C]
Ambient temperature 环境温度	-40 ... +125	[°C]
Electrical connection 电气连接	L-Plug、M12×1 L-Plug 插头、M12×1 插头	
Protection degree 防护等级	IP65 using L-Plug / L-Plug 插头为 IP65 IP67 using M12×1 / M12×1 插头 IP67	

Series 8430 / 8430 系列

Resistance Thermometer / 热电阻温度计

aumarg
SENSORS & CONTROLS

Specification key / 规格代码

8430 - [] - [] - [] - [] - [] - [] - []

Measuring range / 测量范围	
520	-50 ... 200 °C

Accuracy / 精度等级	
B	Class B / B 级
A	Class A / A 级

Connection method / 连接方法	
12	2 - wire / 2 线制
13	3 - wire / 3 线制
14	4 - wire / 4 线制

Sensor diameter / 探杆直径	
6	6 mm
8	8 mm

E-connection / 电气连接	
51	L-Plug EN 175301-803-A / L-Plug 插头
64	M12 ×1 / M12 ×1 插头

Pressure fitting / 过程连接	
24	G1/2"
34	1/2NPT

Sensor insertion length / 插入深度	
050	50 mm
100	100 mm
150	150 mm

Sample:

8430-520-B-12-6-100-24-51

Resistance thermometer
Type: 8430
Measuring range: -50 ... 200°C
Accuracy: Class B
Connection method: 2-wire
Sensor diameter: 6 mm
Sensor insertion length: 100 mm
Material of housing: stainless steel 316L
Wetted parts: stainless steel 316L
Pressure fitting: G1/2" EN 827
E-connection: L-Plug acc. to DIN EN 175301-803
Protection type: IP65

举例:

8430-520-B-12-6-100-24-51

热电阻温度计
型号: 8430
测量范围: -50 ... 200°C
精度等级: B 级
连接方法: 2 线制
探杆直径: 6 mm
插入深度: 100 mm
本体材质: 不锈钢 316L
接液材质: 不锈钢 316L
过程连接: G1/2" EN827
电气连接: L-Plug 插头
防护等级: IP65