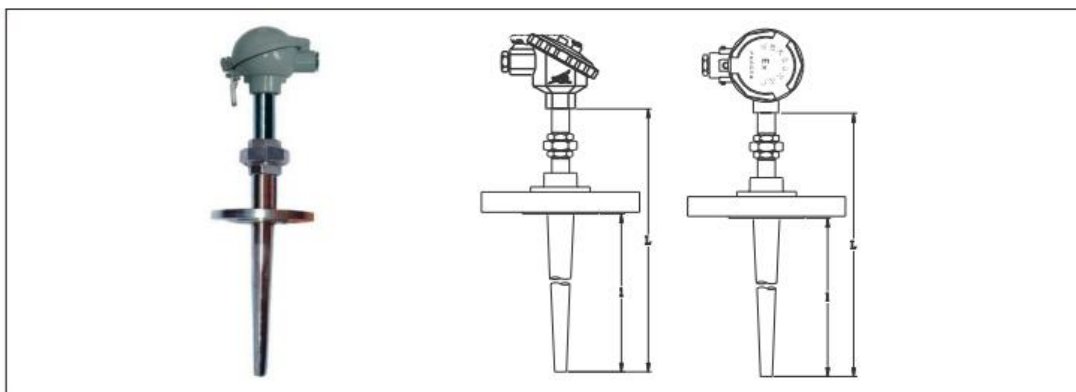


高温高压热电偶

High temperature and high pressure thermocouple



应用

适合于石油、化工等生产过程中的高温高压场所的温度测量与控制。是炼油厂、高压聚乙烯等不可缺少的温度装置。

Application

Temperature measurement and control for high temperature and high pressure place in the production process of petroleum and chemical industry. Is a refinery, high pressure polyethylene and other indispensable temperature device.

主要技术参数

电气出口: M20 × 1.5, NPT1/2
 连接尺寸: M20 × 1.5, NPT1/2
 防护等级: IP65
 防爆等级: d II BT4, d II CT5
 公称压力: 15~40MPa

Main technical parameters

Electrical outlet: M20 * 1.5, NPT1/2
 Connection dimension: M20 * 1.5, NPT1/2
 Protection level: IP65
 Explosion proof grade: BT4 II d, D II Ct5
 Nominal pressure: 15~40MPa

型号及规格 Model and specifications

型号 Model	分度号 Graduation	测温范围 °C Range of temperature measurement °C	热响应时间 Thermal response time	保护管材料 Material for protective tube	规格 Specification
WRNG-430 WRN ₂ G-430	K	0~1000	<180s	1Cr18Ni9Ti	380×150 430×200 480×250 530×300 580×350 630×400 680×450
WREG-430 WRE ₂ G-430	E	0~800			
WRNG-440 WRN ₂ G-440	K	0~1000			
WREG-440 WRE ₂ G-440	E	0~800			

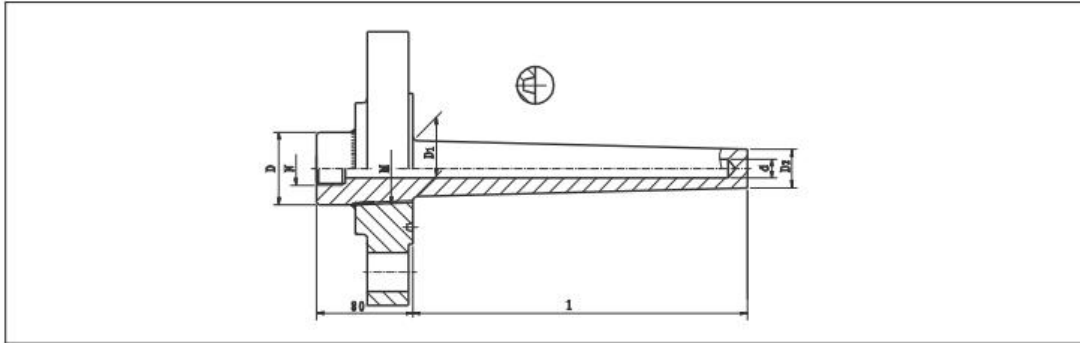
保护管材质及选用 Material and selection of protective tube

材质 Texture of material	使用温度 °C Using temperature	特点及用途 Features and uses
1Cr18Ni9Ti	-200 ~ 800	具有高温耐蚀性，通常作为一般耐热钢使用 With high temperature corrosion resistance, usually used as a general heat resistant steel
304	-200 ~ 800	低碳含量，具有良好耐晶间腐蚀性，通常作为一般耐热钢使用 Low carbon content, with good resistance to intergranular corrosion, usually used as a general heat resistant steel
316	-200 ~ 750	低碳含量，具有良好耐晶间腐蚀性，作为耐热钢使用 Low carbon content, with good resistance to intergranular corrosion, as the use of heat resistant steel
316L	-200 ~ 750	超低碳含量，具有良好耐晶间腐蚀性，作为耐热钢使用 Ultra low carbon content, with good resistance to intergranular corrosion, as the use of heat resistant steel
310S	-200 ~ 1000	具有高温抗氧化性，耐腐蚀性，通常作为耐热钢使用 With high temperature oxidation resistance, corrosion resistance, usually used as heat resistant steel
Gh3030	0 ~ 1100	镍基高温合金钢，具有优良抗氧化性，耐腐蚀型，通常作为耐热钢使用 Nickel based high temperature alloy steel, with excellent oxidation resistance, corrosion resistance, usually used as heat resistant steel

套管形式选择 Selection of casing form

法兰可选择900(PN15) - 2500LB(PN40)RJ等不同形式

The flange can be 900(PN15) - 2500LB(PN40)RJ and other forms



代号 Code	N	M	D	d	D1	D2
A	AM20×1.5 (NPT1/2)	NPT1"	Φ34	Φ9	Φ23	Φ18
B		BNPT11/4"	Φ45	Φ9	Φ28	Φ23

法兰型号及规格 Flange model and specification

法兰标准代号

The standard code of flange

标准代号 The standard code	文件编号 No. of document
中国国家标准 China National Standard	Gb9112 - 9131-88
中国化工部标准 Standards of Chinese Ministry of Chemical Industry	Hg20592 - 20635-97 (HGJ44 - 76-91) (HG5001 - 5028-58)
中国机械部标准 Standards of the Chinese Ministry of Machinery	JB/T74 - 90-94 (JB81 - 82-59)
美国标准 American Standard	ASME/ANSI B16.5
德国标准 German Standard	DIN 2628 - 2638
日本标准 Japanese Standard	JIS2201

法兰规格

CLASS150 - 600 RF
CLASS900 - 2500 RJ

Flange specification

CLASS150 - 600 RF
CLASS900 - 2500 RJ

选型须知

- 1) 型号
 - 2) 分度号
 - 3) 精度等级
 - 4) 保护管材质及形式
 - 5) 法兰规格及形式
 - 6) 长度或插入深度
- 例A: 高温高压隔爆热电偶, K型, I级, 保护管A级型, 插入深度300mm.
WRNG-440A L×I = 450×300 dIIBT4 316L
ANSI 1" 1500#RJ

Flange specification

Notice for model selection

- 1) Model
- 2) Graduation
- 3) Accuracy level
- 4) The material and form of protection tube
- 5) Specification and form of flange
- 6) Length or the inserting depth

Example A: the explosion-proof thermocouple with high temperature and high pressure, K type, I grade and the protection tube is A level with the inserted depth being 300mm.
WRNG-440A L×I = 450×300 dIIBT4 316L ANSI 1" 1500#RJ