

热套式热电偶（阻）

Shrunk-on Thermocouple (Thermal Resistor)



产品应用

Product Application

专业针对电站设计，可以满足300MW、600MW、1000MW等发电机组及辅机测温需要。直接测量生产过程中的 - 200℃~800℃范围内液体、蒸汽和气体介质以及因体表面测温。

It is specially designed for the power station, which can meet the temperature measurement needs of 300 MW, 600 MW, 1000 MW and other generating units and auxiliaries. It can directly measure the temperature of liquid, steam, gas medium and solid surface in the range of -200 ~ 800 °C in the production process.

测温范围及允差

Temperature measurement range and tolerance

热电偶

Thermocouple

型号 Model	分度号 Graduation	允差等级 Tolerance level			
		I		II	
		允差值 Tolerance value	测温范围 °C Temperature measurement range	允差值 Tolerance value	测温范围 °C Temperature measurement range
WRN	K	±1.5℃	-40~+375	±2.5℃	-40~+333
		±0.004 t	375~1000	±0.0075 t	333~1200
WRM	N	±1.5℃	-40~+375	±2.5℃	-40~+333
		±0.004 t	375~800	±0.0075 t	333~900

热电阻

Thermal resistance

型号 Model	分度号 Graduation	测温范围 (°C) Temperature measurement range	精度等级 Accuracy level	允差 (°C) Tolerance value
WZP	Pt100	-200~+500	A级	±(0.15+0.002 t)
			B级	±(0.30+0.005 t)
WZC	Cu50 Cu100	-50~+100	/	±(0.30+0.006 t)

常温绝缘电阻

Room temperature insulation resistance

热电偶在环境温度为 (20±15) °C，相对湿度不大于80%，试验电压为 (500±50) V (直流) 电极与外套管之间的绝缘电阻≥1000MΩ.m。

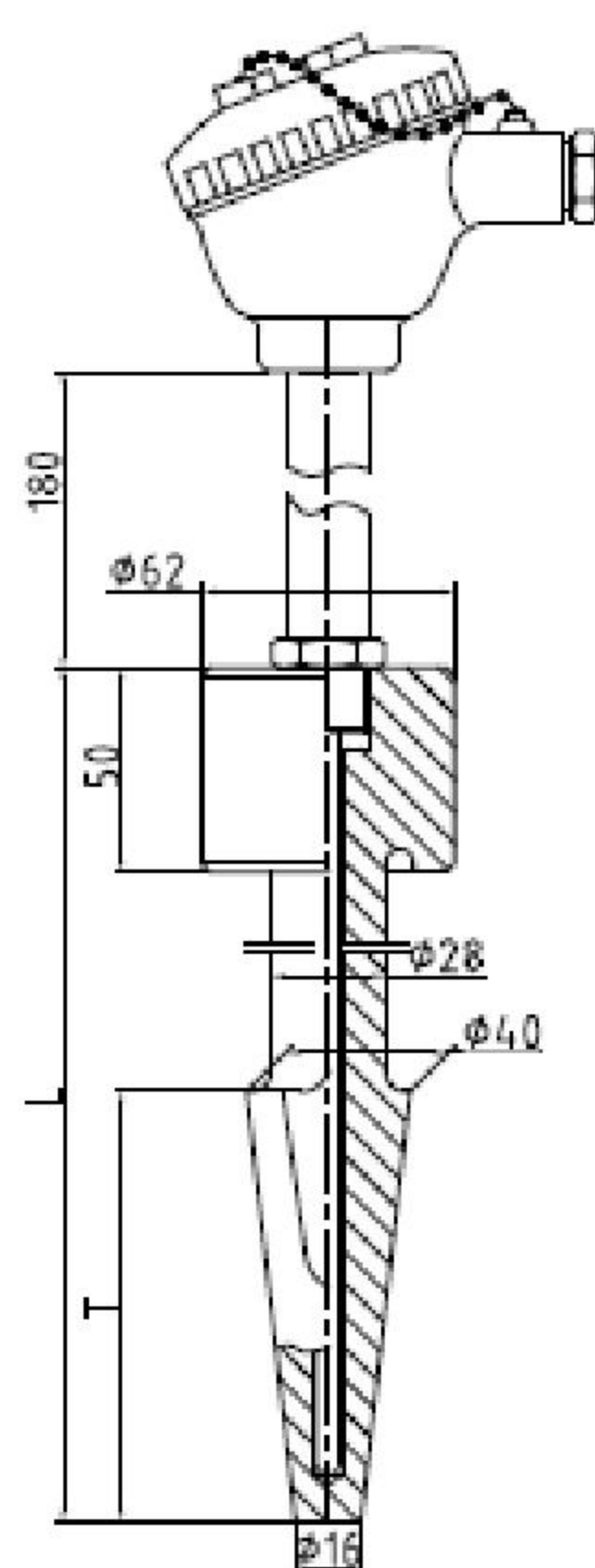
热电阻在环境温度为 (15~35) °C，相对湿度不大于80%，试验电压为 (10~100) V (直流) 电极与外套管之间的绝缘电阻≥100MΩ。

The insulation resistance of Thermocouple is ≥1000MΩ between the electrode and the outer casing at an ambient temperature of (20±15)°C, a relative humidity of not more than 80%, and a test voltage of (500±50)V (DC).

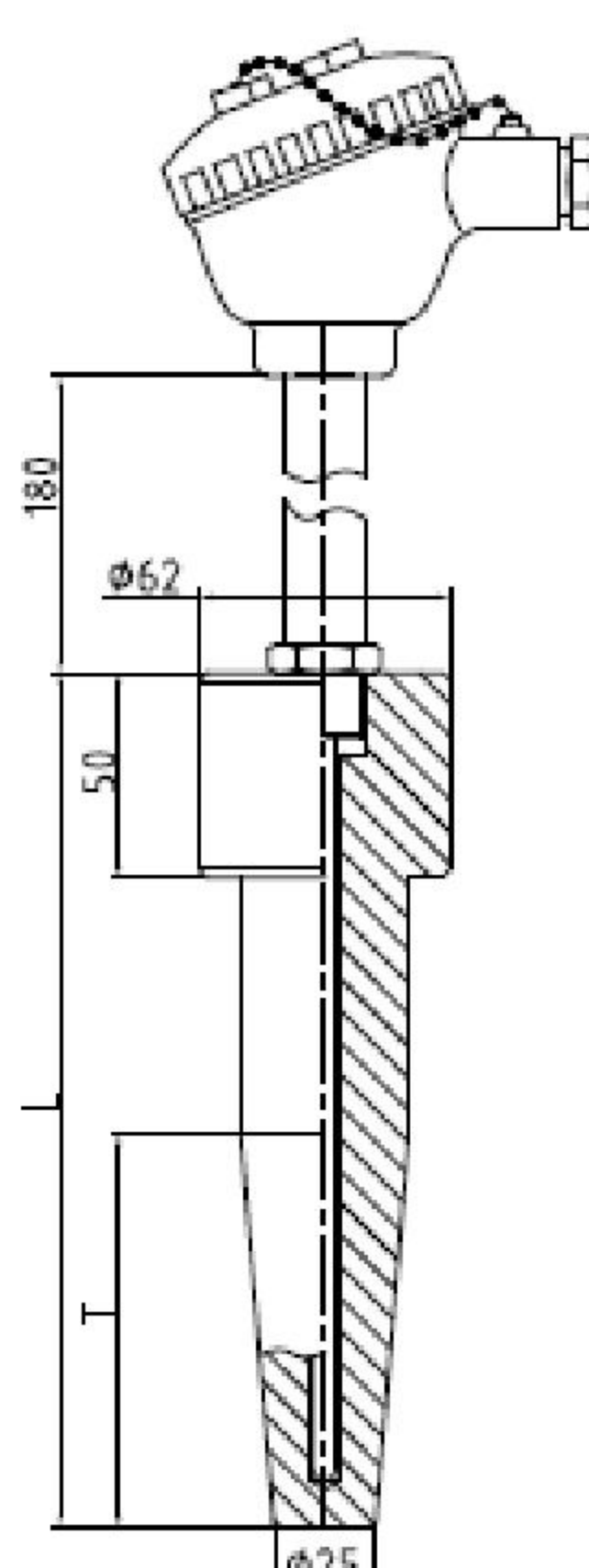
The insulation resistance of Thermal Resistor is ≥100MΩ between the electrode and the outer casing at an ambient temperature of (15~35)°C, a relative humidity of not more than 80%, and a test voltage of (10~100)V (DC).

结构示意图

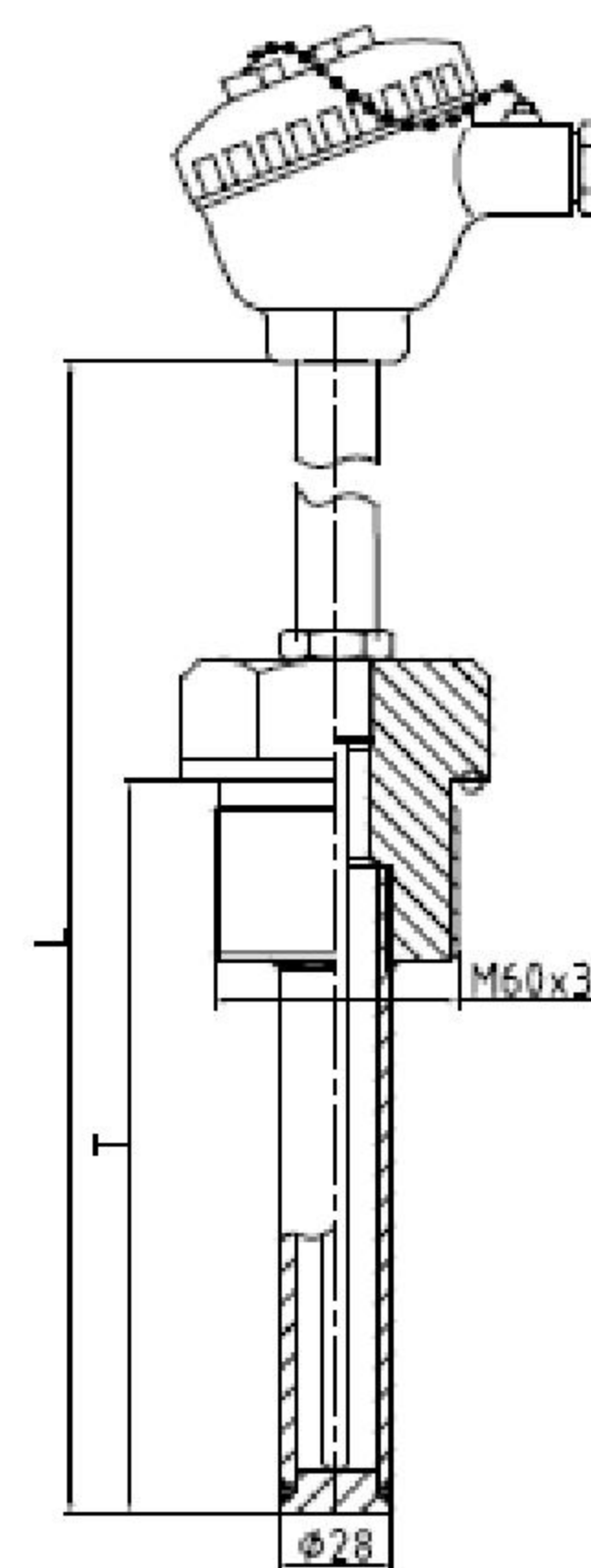
Structure diagram



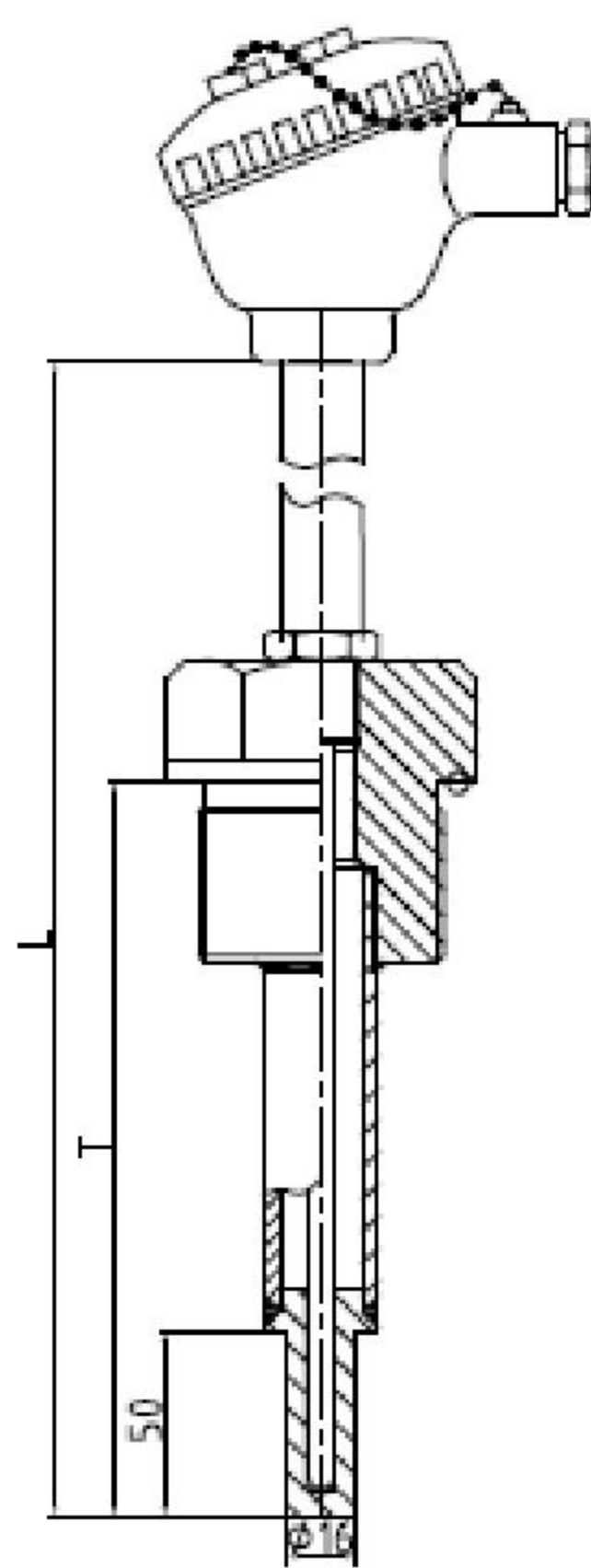
WRN-01A



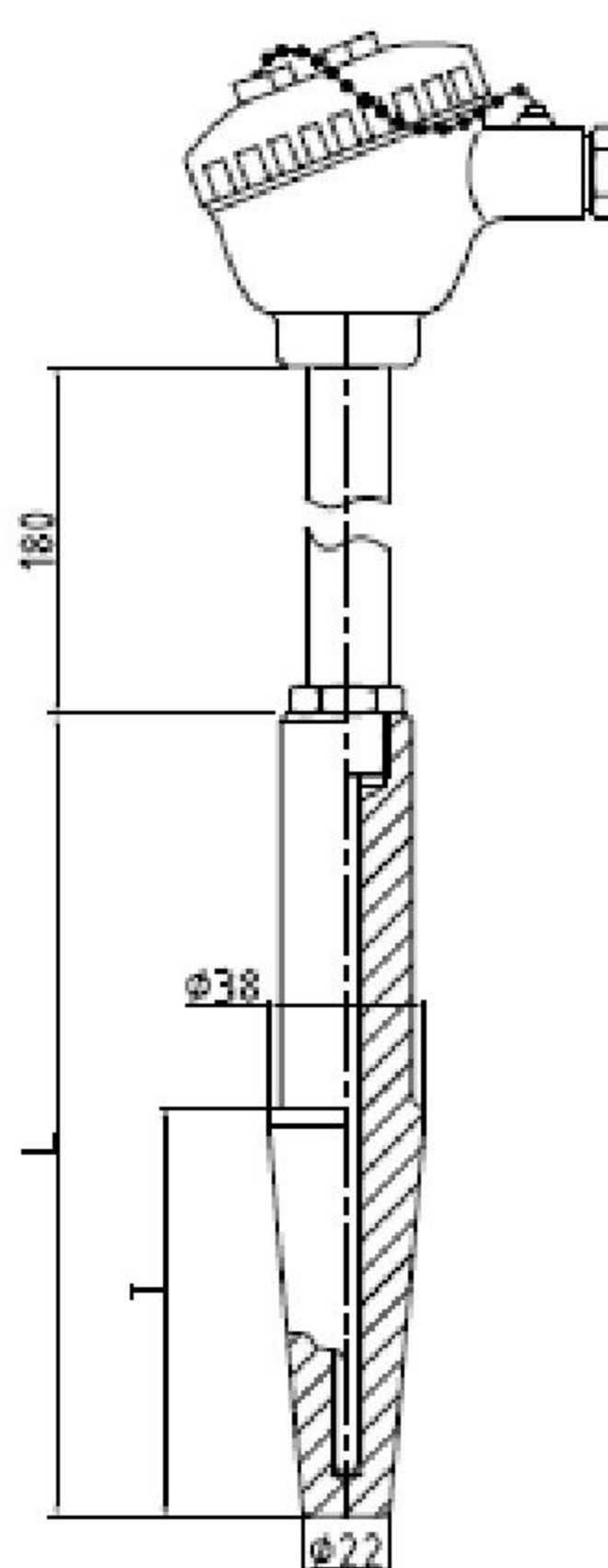
WRN-01B



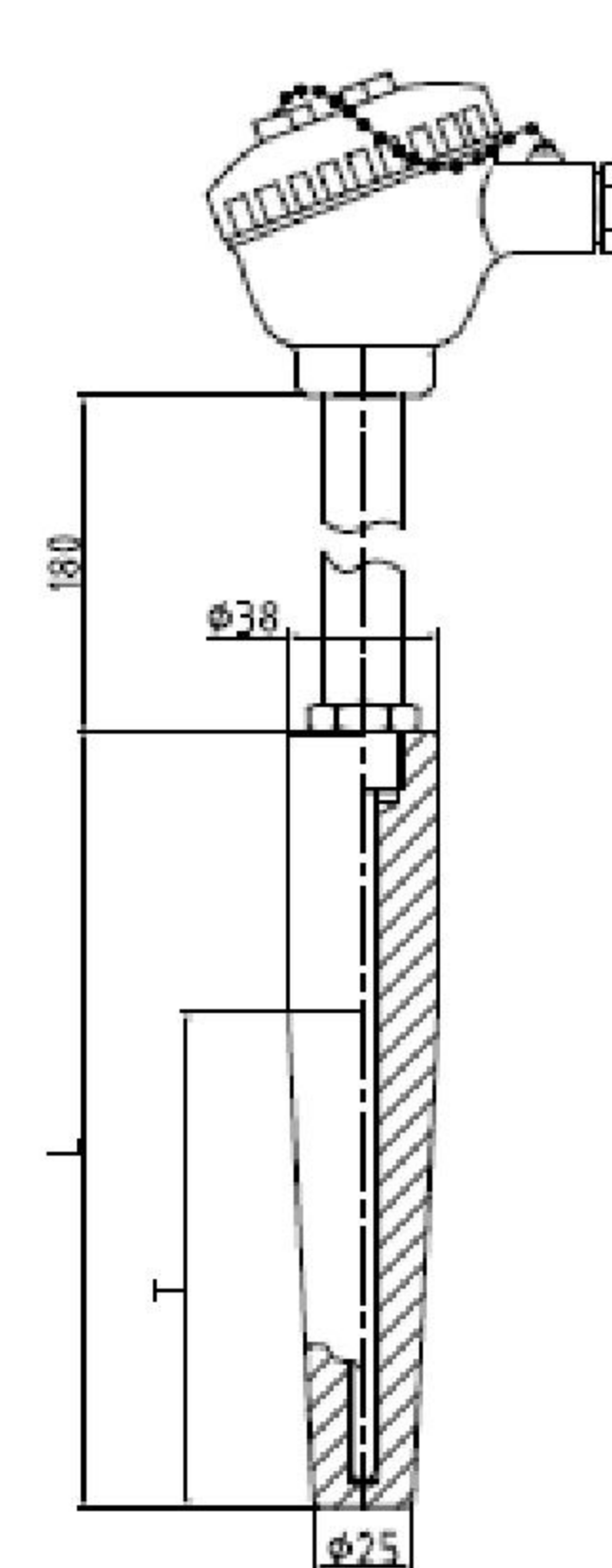
WRN-12



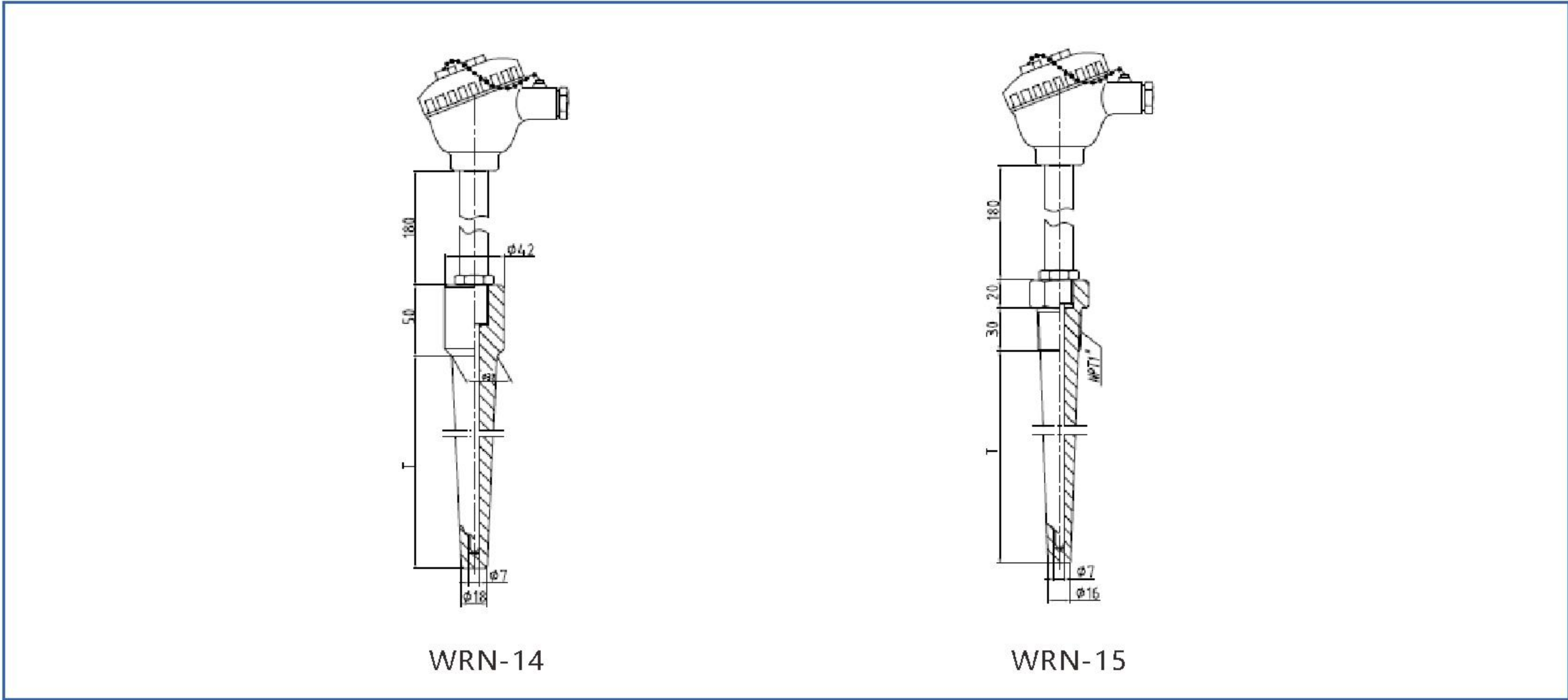
WRN-12G



WRN-13A



WRN-13B



安装示意图
Installation diagram

