

耐磨热电偶（阻）

Wear-resistant Thermocouple (Thermal Resistor)



产品概述

Product Overview

耐磨热电偶（阻）由耐磨保护管、感温元件、安装装置和接线盒等部件组成。可用于电厂磨煤机、循环流化床，化工催化裂化装置，水泥厂窑头窑尾，焚烧炉等流动介质的温度测量。切断式耐磨热电偶，可在保护管使用磨损，出现泄漏时，及时关闭产品上附带的切断阀，防止泄漏继续发生。对于防漏要求特别高的部位测量，可采用卡套式防内漏耐磨热电偶，通过密封性能良好的固定卡套螺纹接头，可以有效防止被测介质泄漏。

Wear-resistant Thermocouple (Thermal Resistor) consists of wear-resistant protection tube, temperature sensing element, mounting device and junction box and other components. It can be used for temperature measurement of flowing medium in coal mills, circulating fluidized beds in power plants, catalytic cracking units in chemical industry, kiln heads and kiln tails in cement factories, incinerators and so on. Cut-off wear-resistant thermocouple, can be used in the protection tube wear, leakage, timely closure of the product comes with a cut-off valve to prevent leakage continue to occur. For leakage prevention requirements are particularly high parts of the measurement can be used ferrule type anti-internal temperature wear-resistant thermocouple, through the good sealing performance of the fixed ferrule want to pattern joints, can effectively prevent the measured medium leakage.

产品种类

Product Category

喷涂耐磨：采用激光喷涂工艺，将高硬质合金喷涂在保护管上，最高耐温800℃，适用于锅炉烟风道、建筑沥青、重油、粉煤混浇过程等。

堆焊耐磨：采用激光堆焊工艺，在金属套管基体上堆焊钴基合金或镍基合金堆焊层，适用于化工行业催化裂化装置、煤液化反应器、加氢反应器等。

钴基合金耐磨：整体浇铸耐磨，适用于水泥窑和循环流化床高温气流及颗粒的冲刷磨损、腐蚀场合，具有良好的热稳定性和高温强度。

Spraying wear-resistant: Adopting laser spraying process, high hard alloy is sprayed on the protection tube, with the highest temperature resistance of 800C, applicable to boiler flue ducts, construction asphalt, heavy oil, pulverized coal mixing and pouring process.

Surfacing wear-resistant: Adopting laser surfacing art, surfacing drill base alloy or nickel base alloy surfacing layer on the

metal casing base, suitable for catalytic cracking device, coal liquefaction reactor, hydrogenation reactor in chemical industry.
Drill base alloy wear-resistant: Integral casting wear-resistant, suitable for cement density and circulating fluidized bed high temperature gas flow and particles of the scouring abrasion, corrosion occasions, with good thermal stability and high temperature strength.

各种耐磨材料适用场合及推荐一览表
Applicable occasions and recommended list of various wear-resistant materials

名称 Name	材质 Material	使用温度 Operating temperature	使用场所 Service place
喷涂耐磨 Spray wear-resistant	Ni60喷涂层 Ni60 coating	800℃	电厂烟气、煤灰、锅炉，造纸厂等 Power plant flue gas, coal ash, boilers, paper mills, etc.
	Wc喷涂层 WC coating		
整体浇铸耐磨 Integral casting wear-resistant	铁基合金耐磨 Iron-based alloy	1200℃	电厂循环流化床锅炉、沸腾炉、磨煤机 水泥厂窑头、窑尾等 Power plant circulating fluidized bed boiler, boiling furnace, coal mill, cement plant kiln head, kiln tail, etc.
	镍基合金耐磨 Nickel-based alloy		
	钴基合金耐磨 Cobalt-based alloy		
堆焊耐磨 Surfacing wear-resistant	司太立合金耐磨 Stearic alloy	1100℃	化工行业催化裂化装置、煤液化反应器、加氢反应器等 Chemical industry catalytic cracking device, coal liquefaction reactor, hydrogenation reactor, etc.

结构示意图
Structure diagram

