CJPEC Series

Angled temperature sensor

Ref : 2652 Rev : B



DESCRIPTION

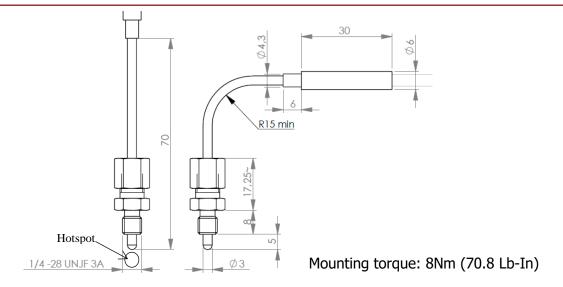
This model of thermocouple, angled and sturdy, is ideal for temperature measurement up to 1000°C in solid, liquid or gaseous environment.

The 2 thermocouple wires are isolated in magnesia compacted in Inconel 600 sheath.

TECHNICAL DATA

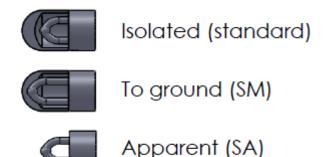
PARAMETERS	VALUES		
Sensor	Class 1 sheathed type K thermocouple		
Response time	In water: 0.4m/s	In air: 2m/s	
	t _{50%} = 1.00 s, t _{90%} = 2.80 s	t _{50%} = 22.0 s, t _{90%} = 64.0 s	
	These response times are given for a standard type K thermocouple with insulated hotspot. Response time can be divided by 2 with a hotspot to ground and by 10 with an apparent hotspot.		
Operating Temperature	Temperature Range	Class 1 tolerances according to IEC584-2	
	from -40°C to 1000°C	± 0.004 t or ± 1.5°C (1)	
	"t" temperature in °C ; (1) whichever is greater.		
Storage temperature range	From -20°C to 80°C		
Maximum pressure	500 bars (7500 psi)		
Insulation Resistance	1000 MΩ at 500 Vdc		
Output	Refer to the reference tables of the IEC584-1		
Electrical connection	Shielded Teflon PFA isolated type K thermocouple extension (2 meters standard)		
	(Temperature resistance: 250°C peak)		
Material	Inconel 600 (sheathed thermocouple) + Inox 304		
Sheath curvature radius	Minimum 15mm		

SIZE



HOTSPOT

WIRING





Note: in case of an apparent hotspot, the thermocouple has to be used in a dry, non-conductive environment

ORDERING INFORMATION

CJPEC3K5-__/ special options

Extension length in meter **none**: 2 meters

• Special options

OPTION	REFERENCE	FEATURES	
Hotspot	none	Isolated (standard)	
	SM	To ground	
	SA	Apparent	
Connector	ММК	Male miniature type K	
	FMK	Female miniature type K	
	MSK	Male standard type K	
	FSK	Female standard type K	
	MUK	Male ultra-miniature type K	
	FUK	Female ultra-miniature type K	

CONTACT

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