

GENERAL SPECIFICATION

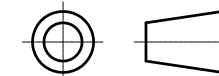
- Head
Material : Aluminum alloy(Standard)
Option : ☐ 316SS
Surface color : Metallic silver
Construction : Explosion proof
Enclosure class : Ex d IIC T6 (KCs)
- Terminal block material
☐ PBT resin(St'd) ☐ Ceramic
- Element outer diameter
☐ 0.5 ("R", "B", "S" Type)
☐ 3.2 (Only "K" Type)
- Conduit connection ☐ With adaptor ☐ None
☐ 1 : PF 1/2" ☐ 3 : NPT 1/2"
☐ 4 : PF 3/4" ☐ 6 : NPT 3/4"
☐ 8 : M20x1.5P ☐ 9 : Other _____
* Conduit adaptor material :
☐ Brass+Ni.plating ☐ 316SS

ORDERING INFORMATION

- Model : R97 ☐ 1 (Single, 2-Wire)
☐ 2 (Double, 4-Wire)
- Head material and tip shape type
☐ A : ALDC head and ungrounded
☐ B : 316SS head and ungrounded
- Element(Tolerance)
☐ K : K(0.75) ☐ B : B(0.5) ☐ 1 : K(0.4)
☐ R : R(0.25) ☐ S : S(0.25)
- Mounting type (Nipple) length "A"
☐ E : 100 ☐ F : 150
☐ G : 300 ☐ Z : Other _____
* Nipple O.D(φDn) & material : _____
☐ φ21.7 ☐ φ27.2
- Outer protection tube outer diameter(φD)
☐ 00 : 8.0mm ☐ 10 : 10mm ☐ 20 : 13mm
☐ 25 : 15mm ☐ 30 : 17mm
- Outer protection tube material
☐ 1 : SSA-S (8~25 mm) ☐ 3 : HB (8~21 mm)
☐ 7 : Other _____
* Inner tube outer diameter(φd)
☐ 8.0mm ☐ 10mm ☐ 13mm ☐ None
- Inner tube material
☐ 0 : None ☐ 1 : SSA-S ☐ 3 : HB
☐ 5 : Inconel600 ☐ 9 : Other _____
- Connection type
☐ EB : PT 1/2" ☐ EC : NPT 1/2"
☐ FB : PT 3/4" ☐ FC : NPT 3/4"
☐ ZZ : Other _____
- Insert length "L" : _____ (mm)

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THIRD ANGLE PROJECTION



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NO	REASON	DATE	PREPARED BY	REVIEWED BY	APPROVED BY
3					
2					
1					

REVISION

LENGTH (UNIT:mm)		
Parts	Nominal Length	Tolerance
Ceramic Protection Tube	Below 500	±5
	250 & Above, Below 1000	±10
	1000 & Above	±15
Extension Lead wires	Below 1000	±10
	1000 & Above	±15

	SIGNATURE	DATE
PREPARED BY	S.M.JUNG	23.05.25
REVIEWED BY	H.J.KIM	23.05.25
APPROVED BY	H.J.KIM	23.05.25
REV. NO.	0	

DRAWING TITLE :Non-metalic protection tube thermocouple		
MODEL : R970		
PROJECT : -		
DWG NO. : R970A-NL-01		
SCALE : N/S	W.T.	SHEET OF