

## 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

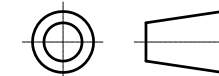
- Model : R97 ☐ 1 (Single, 2-Wire)  
☐ 2 (Double, 4-Wire)
- Head material and tip shape type  
☐ A : ALDC head and ungrounded  
☐ B : 316SS head and ungrounded
- Element(Tolerance)  
☐ K : K(0.75) ☐ B : B(0.5) ☐ 1 : K(0.4)  
☐ R : R(0.25) ☐ S : S(0.25)
- Mounting type (Fixed thread lag) length "A"  
☐ E : 100 ☐ F : 150  
☐ G : 300 ☐ Z : Other \_\_\_\_\_  
\* Nipple O.D(φDn) & material : \_\_\_\_\_
- Outer protection tube outer diameter(φD)  
☐ 00 : 8.0mm ☐ 10 : 10mm ☐ 20 : 13mm  
☐ 25 : 15mm ☐ 30 : 17mm ☐ 40 : 21(20)mm  
☐ 50 : 25mm ☐ 60 : 30mm ☐ 70 : 40mm
- Outer protection tube material  
☐ 1 : SSA-S (8~25 mm) ☐ 3 : HB (8~21 mm)  
☐ 4 : GK-Sic(25~40 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"  
☐ GB : PT 1" ☐ GC : NPT 1"  
☐ HB : PT 1 1/4" ☐ HC : NPT 1 1/4"  
☐ JB : PT 1 1/2" ☐ JC : NPT 1 1/2"  
☐ ZZ : Other \_\_\_\_\_
- Insert length "L" : \_\_\_\_\_ (mm)

\*All Dimension for reference

Tube (Non-metallic)	Nipple(φDn)
φ8,10	φ22.3x0.9t(304SS)
φ15,17	φ22.3x1t(316SS)
φ20,21	φ27.2x2t
φ25	φ31.8x1.5t(304SS) φ31.8x1.2t(316SS)
φ40	φ46x1.5t

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## THIRD ANGLE PROJECTION



**WISE®**  
WISE Control Inc.

NO	REASON	DATE	PREPARED BY	REVIEWED BY	APPROVED BY	LENGTH (UNIT:mm)			PREPARED BY	SIGNATURE	DATE	DRAWING TITLE :Non-metallic protection tube thermocouple
						Parts	Nominal Length	Tolerance				
3						Ceramic Protection Tube	Below 500	±5				
2							250 & Above, Below 1000	±10				
1							1000 & Above	±15				
						Extension Lead wires	Below 1000	±10				
							1000 & Above	±15				
									REV. NO.	0		SCALE : N/S
												W.T.
												SHEET OF