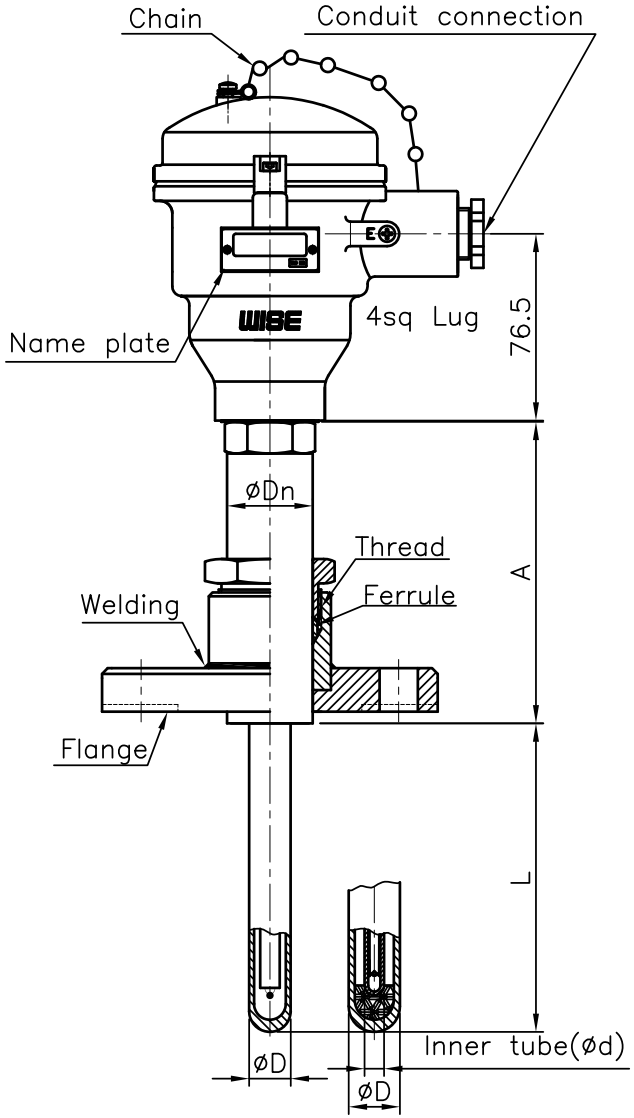

GENERAL SPECIFICATION

1. Head
   - Material : Aluminum alloy(Standard)
   - Option : □ 316SS
   - Surface color : Metallic silver
   - Construction : Explosion proof
   - Enclosure class : Ex d IIC T6 (KCs)
2. Terminal block material
   - □ PBT resin(St'd) □ Ceramic
3. Element outter diameter
   - □ 0.5 ("R", "B", "S" Type)
   - □ 3.2 (Only "K" Type)
4. 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

1. Model : R97 □ 1 (Single, 2-Wire) □ 2 (Double, 4-Wire)
2. Head material and tip shape type
   - □ A : ALDC head and ungrounded
   - □ B : 316SS head and ungrounded
3. Element(Tolerance)
   - □ K : K(0.75) □ B : B(0.5) □ 1 : K(0.4)
   - □ R : R(0.25) □ S : S(0.25)
4. Mounting type (Movable flange) length "A"
   - □ P : 100 □ Q : 150
   - □ R : 300 □ Z : Other _____
   - * Nipple O.D(øDn) & material : _____
5. Outer protection tube outer diameter(øD)
   - □ 00 : 8.0mm □ 10 : 10mm □ 20 : 13mm
   - □ 25 : 15mm □ 30 : 17mm □ 40 : 21(20)mm
   - □ 50 : 25mm □ 60 : 30mm □ 70 : 40mm
6. 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(ød)
   - □ 8.0mm □ 10mm □ 13mm □ None
7. Inner tube material
   - □ 0 : None □ 1 : SSA-S □ 3 : HB
   - □ 5 : Inconel600 □ 9 : Other _____
8. Flange rating & material

   _____
9. Insert length "L" : _____(mm)

*All Dimension for reference

Tube (Non-metallic)	Nipple(øDn)
ø8,10	ø22.3x0.9t(304SS)
ø15,17	ø22.3x1t(316SS)
ø20,21	ø27.2x2t
ø25	ø31.8x1.5t(304SS) ø31.8x1.2t(316SS)
ø40	ø46x1.5t

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THIRD ANGLE PROJECTION

WISE® WISE Control Inc.

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	

	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-metallic protection tube thermocouple

MODEL : R970

PROJECT : -

DWG NO. : R970A-MF-02

SCALE : N/S | W.T. | SHEET OF