



DK - 1X00 / 1X01 / 1X02 / 1X03

General Head type Thermocouple and RTD

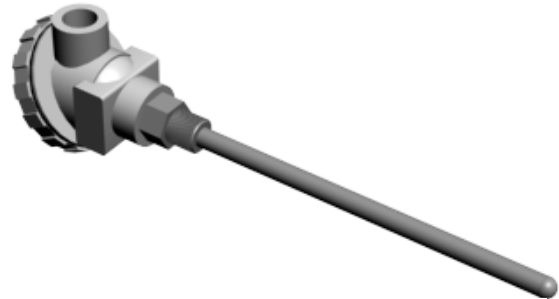
Introduction

The DK-1X00, 01, 02, 03 series temperature sensor assembly is a general purpose product designed for use in a Chemical Plant.

It consists of class A(RTD/TC) temperature sensor housed in 304 or 316 Stainless steel probe with a 1/2" process connection. It has a 6.4 mm diameter stem with a various immersion length.

Ceramic/PBT connection block is provided, housed in an aluminium alloy connection head

- General Temperature sensor for a Chemical
- 316SS Stainless steel probe
- NPT 1/2" Process Connection
- Temperature Range (-50 to 850) °C at tip



Technical Data

SENSOR

Element :	TC	K, E, J, T, N, others
	R.T.D	Pt100Ω, Pt1000Ω, others
Probe Material :	304SS (STD.), 316SS	
Immersion length :	"L" mm	
Diameter :	8.0, 6.4, 4.8, 3.2 mm	
Process Connection :	1/2" PT(STD.), other	
Head Thread :	1/2" PF(STD.)	
Sensor Wires :	Various	

HEAD

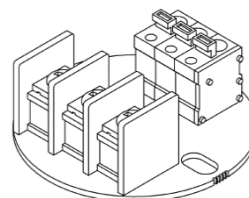
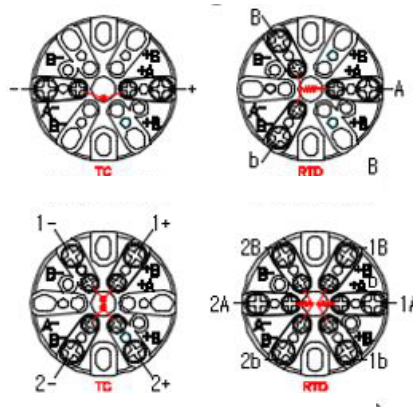
Rating and principal :	WEATHER PROOF IP67
Characteristics	76mV(T/C) , 5 mA(RTD)
Cable entry :	1/2" PF (Female)
Material :	Aluminium Alloy

CONNECTION BLOCK

Construction :	PBT / Ceramic
Terminals :	2(3) or 4(6) slotted screw type

GENERAL

Temperature Range :	(-50 to 850) °C at tip
Environment areas Temperature :	-20 to 55 °C
Accuracy :	Class B, A, 1/3 DIN (RTD / Pt100)
	Class 2, 1 (TC)



DOOKWANG
MANUFACTURING CO., LTD



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Ordering details

Model	DK-		-							
Thermocouple K-type (None thread, straight type)	1100									
R.T.D Pt 100ohm at 0 °C (None thread, straight type)	1200									
Thermocouple K-type (None thread, stteped type)	1101									
R.T.D Pt 100ohm at 0 °C (None thread, stteped type)	1201									
Thermocouple K-type (Welded thread type)	1102									
R.T.D Pt 100ohm at 0 °C (Welded thread type)	1202									
Thermocouple K-type (Extension welded thread type)	1103									
R.T.D Pt 100ohm at 0 °C (Extension welded thread type)	1203									
Accuracy										
Class 1/3 DIN (only RTD)										1
Class A (RTD) / 1 (TC), STD.										2
Class B (RTD) / 2 (TC)										3
Process connection										
1/2" PT male (STD.)										1
1/2" NPT male										2
1/2" PF male										3
without connection										4
other										5
Immersion sheath diameter										
6.4 mm (STD.)										1
8.0 mm										2
4.8 mm										3
3.2 mm										4
Extension nipple length										
N/A										0
50 mm										1
80 mm										2
100 mm										3
other										4
Element type										
single										S
double										D
Sheath material										
304SS										1
316SS										2
other										3
Immersion sheath length "L" (mm)										
Extra notes										