



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

General Head type Thermocouple and RTD

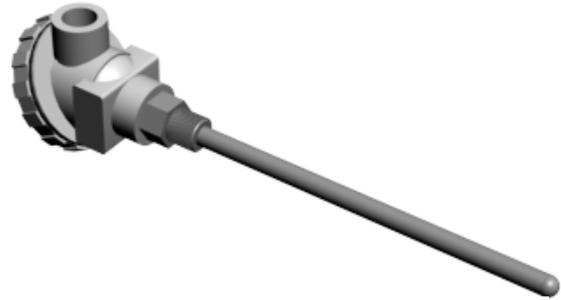
## Introduction

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

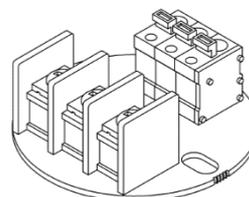
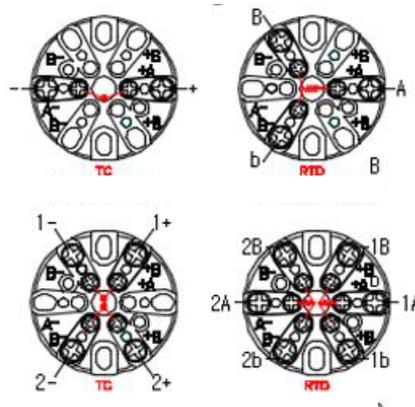
Rating and principal :	WEATHER PROOF IP67
Characteristics	76mV(T/C) , 5 mA(RTD)
Cable entry :	1/2" PF (Female)
Material :	Aluminium Alloy

### 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)





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## Ordering details

DK-		-							
<b>Model</b>									
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								
<b>Accuracy</b>									
Class 1/3 DIN ( only RTD)		1							
Class A (RTD) / 1 (TC), STD.		2							
Class B (RTD) / 2 (TC)		3							
<b>Process connection</b>									
1/2" PT male (STD.)						1			
1/2" NPT male						2			
1/2" PF male						3			
without connection						4			
other						5			
<b>Immersion sheath diameter</b>									
6.4 mm (STD.)								1	
8.0 mm								2	
4.8 mm								3	
3.2 mm								4	
<b>Extension nipple length</b>									
N/A									0
50 mm									1
80 mm									2
100 mm									3
other									4
<b>Element type</b>									
single									S
double									D
<b>Sheath material</b>									
304SS									1
316SS									2
other									3
<b>Immersion sheath length "L" (mm)</b>									
<b>Extra notes</b>									