



# DK - 1308 / 1408

Thermocouple and R.T.D

## Introduction

The DK-1\*08 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 316 Stainless steel probe with a 1/2" process connection. It has a 6.4 mm diameter stem with a various immersion length. PCB connection block is provided, um alloy connection head

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



## Technical Data

### SENSOR

Element :	TC or RTD
Probe Material :	316 Stainless Steel
Immersion length :	L mm
Diameter :	6.4 mm
Process Connection :	NPT 1/2"
Head Thread :	PF 1/2" or NPT 1/2"
Sensor Wires :	1.15 mm

### HEAD

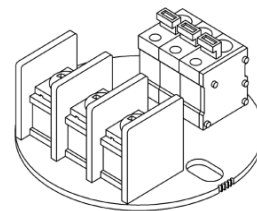
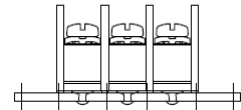
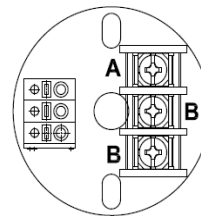
Rating and principal	Exd II C T6 (KOSHA)
Characteristics	76mV(T/C) , 5 mA(RTD)
Cable entry :	PF 1/2" with Cable Gland
Material :	Aluminium Alloy

### CONNECTION BLOCK

Construction :	PCB / 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 A Pt 100 (RTD) Class 1 (TC)





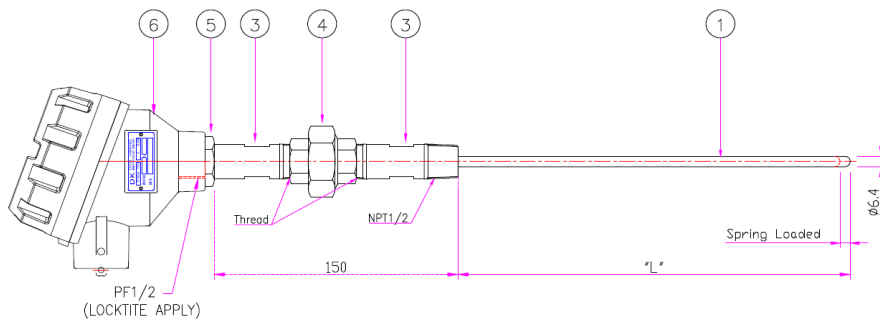
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Thermocouple and R.T.D

## Ordering details

	DK		-					
<b>Model</b>								
Thermocouple		1308						
R.T.D pt 100ohm at 0 °C		1408						
Thermocouple ( spring load )		1308S						
R.T.D pt 100ohm at 0 °C (spring load )		1408S						
<b>Accuracy</b>								
1/3 DIN ( only R.T.D)				1				
A class				2				
B calss				3				
<b>Instrument connection</b>								
without connection					1			
1/2" PF male					2			
1/2" NPT male					3			
other					4			
<b>Immersion tube diameter</b>								
6.35 mm						1		
8.0 mm						2		
<b>Nipple type</b>								
without connetion							1	
Union type							2	
Nipple type							3	
<b>Element type</b>								
single								S
double								D
<b>Spring load type</b>								
yes								1
not								2
<b>Immersion tube Length(mm)</b>								

## Drawing



No	Parts	Material	spec.
1	Sheath	316 SS	6.35 / 8.0
3	Nipple	304 SS	1/2"
3	Nipple	304 SS	1/2"
4	Union	304 SS	1/2"
5	Locknut	304 SS	1/2"
6	Terminal Head	ALDC	Exd IIc T6(IP67)

