



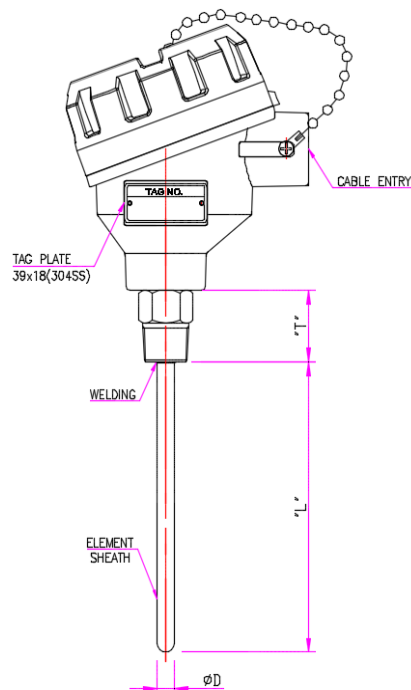
DK - 1302 / 1402

Thermocouple and R.T.D

Introduction

The DK-1*02 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 3.2~ 8.0 mm diameter stem with a various immersion length. PCB connection block is provided, housed in an aluminium alloy connection head.

- General Temperature sensor.
- 304/316/inconel600 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 : | 304/316 Stainless Steel |
| Immersion length : | L mm |
| Diameter : | 3.2,4.8,6.4,8.0 mm |
| Process Connection : | NPT 1/2" |
| Head Thread : | PF 1/2" or NPT 1/2" |

HEAD

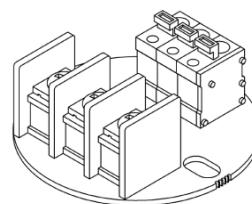
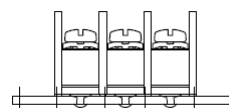
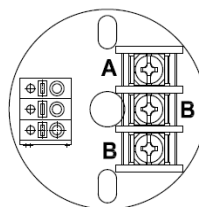
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|----------------------|--------------------------|
| Rating and principal | Exd II C T6 (KOSHA) |
| Characteristics | 76mV(T/C) , 5 mA(RTD) |
| Cable entry : | PF 1/2" with Cable Gland |
| Material : | Aluminium Alloy |

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) |





DK - 1302 / 1402

Thermocouple and R.T.D

Ordering details

| | DK | | - | | | | | |
|----------------------------------|----|------|---|---|---|---|---|---|
| Model | | | | | | | | |
| Thermocouple K type | | 1302 | | | | | | |
| R.T.D pt 100ohm at 0 °C | | 1402 | | | | | | |
| Accuracy | | | | | | | | |
| 1/3 DIN (only R.T.D) | | | | 1 | | | | |
| A class | | | | 2 | | | | |
| B calss | | | | 3 | | | | |
| Instrument connection | | | | | | | | |
| without connection | | | | | 1 | | | |
| 1/2" PF male | | | | | 2 | | | |
| 1/2" NPT male | | | | | 3 | | | |
| other | | | | | 4 | | | |
| Immersion tube diameter | | | | | | | | |
| 3.2 mm | | | | | | 1 | | |
| 4.8 mm | | | | | | 2 | | |
| 6.35 mm | | | | | | 3 | | |
| 8.0 mm | | | | | | 4 | | |
| Nipple type | | | | | | | | |
| with connetion | | | | | | | 1 | |
| Element type | | | | | | | | |
| single | | | | | | | | S |
| double | | | | | | | | D |
| Immersion tube Length(mm) | | | | | | | | |

Drawing

