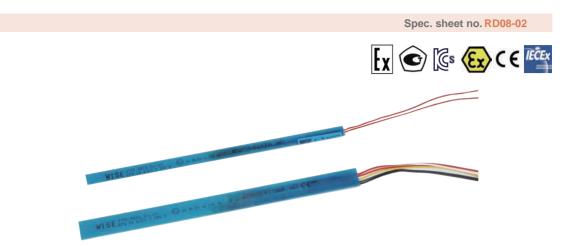
Intrinsic safety type stator winding RTD Model : R820 series



Service intended

The purpose of the stator winding RTD is to mainly detect and prevent overheating of motors. It is inserted in between a stator and a slot to measure a temperature. Stator winding RTD uses the phenomenon of changing electric resistance to measure a temperature. Since it has high stability and sensitivity, it is used to measure a temperature precisely. Also, it is made of a nonmetallic material, and therefore it has a structure of protecting element. It is designed to get flexibility and endure vibration and high pressure.

Standard features

Body material

High temperature epoxy glass

Temperature limit

Class F : 155 °C (311 °F) Class H : 180 °C (356 °F)

Lead wires

3 wire or 4 wire, copper, AWG #22 (With FEP or polyimide insulation)

Ambient temperature

Tamb = -40 ~ 80 °C : T6	Tamb = -40 ~ 95 °C : T5
Tamb = -40 ~ 130 °C : T4	Tamb = -40 ~ 180 °C : T3

Working temperature

-50 ~ 180 °C

Standard

Explosive atmospheres. Equipment. General requirements IEC 60079-0 / EN 60079-0 : 2009 Electrical apparatus for explosive gas atmospheres. Intrinsic safety "i" IEC 60079-11 / EN 60079-11 : 2007

Certificates

KCS Ex ia IIC T6...T3 ATEX II 1G Ex ia IIC T6...T3 Ga IECEx Ex ia IIC T6...T3 Ga



Main order

Ordering information

1. Base model

- **R821** RTD single element 3 wire
- **R822** RTD double element 6 wire
- R823 RTD single element 3 wire with shield wire
- R824 RTD double element 6 wire with shield wire
- **R825** RTD single element 4 wire
- **R826** RTD double element 8 wire
- **R827** RTD single element 4 wire with shield wire
- **R828** RTD double element 8 wire with shield wire

2. Explosion proof type

- A ATEX II 1G Ex ia IIC T6...T3 Ga
- B IECEx Ex ia IIC T6...T3 Ga
- C KCS Ex ia IIC T6...T3

3. Element

- 1 Platinum (0.00385 TCR), Class "AA" EN 60751
- 2 Platinum (0.00385 TCR), Class "A" EN 60751
- 3 Platinum (0.00385 TCR), Class "B" EN 60751
- 0 Other

4. Temperature limited

- F Class F, 155 °C (311 °F)
- H Class H, 180 °C (356 °F)

5. Body thickness

A1 0.079" (2.0 mm)

6. Body length (mm)

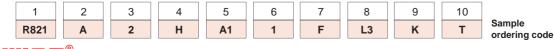
- 1 6 (W) x 155 (L) Single element
- 2 11 (W) x 155 (L) Double element
- **0** Other Min. 6 (W) ~ Max. 14 (W) x Min. 155 (L)

7. Lead wire insulation

F FEP

8. Lead wire length (m)

- **L1** 1
- **L2** 2
- **L3** 3
- **L4** 4
- **L5** 5
- **L6** 6
- L7 7
- **L8** 8
- **L9** 9
- L0 Other (Min. 300 mm)





9. Lead wire color

- E EN code
- K KS code
- Z Other

10. Option

- T Twisted type lead wire
- Z Other