RTDs FOR AUTOCLAVE

RAC232, RAC242

**Pt100, 4-wire
Simplex, Duplex**

**Range
0 to 180°C**

**Accuracy
Class AA (1/3 DIN)
to IEC 60751**

Leakproof Assembly

**Sheath Material
SS316L (1.4404)**
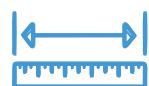
**Cable Length
5 / 10 Meters**

radix®

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ABOUT RAC232, RAC242

RAC232 & RAC242 are specifically designed to withstand the high pressure & temperature of the continuous sterilization process in autoclaves. They are capable of measuring temperatures upto 180°C. The entire sensor assembly, including the probe and the cable extending from the RTD, can be completely submerged in water without affecting accuracy or long-term stability. It has a cannula type tip for easy penetration (Straight - RAC232, Angular - RAC242)

SPECIFICATIONS

Type	Pt100, 4-wire
Accuracy*	Class AA (1/3 DIN) to IEC 60751
No. of elements	Simplex (One) Duplex (Two)
Range	0 to 180°C
Sheath material	SS316L (1.4404)
Sheath diameter	3 / 3.17 mm
Sheath length (SL)	150 mm (see Fig1, Fig2)
Cable type	Teflon insulated cable
Cable length* (CL)	5 / 10 meters

* Class AA (1/3 DIN) accuracy for cable length upto 10 meters

VALIDATION PORT

Validation Port with 2" (63.5 mm) sanitary connection suitable for 4, 7 and 9 sensors

DIMENSIONS mm

Fig 1 : RAC232

Ø3 / 3.17
SL = 150
CL

Fig 2 : RAC242

SL = 150
Ø3 / 3.17
CL
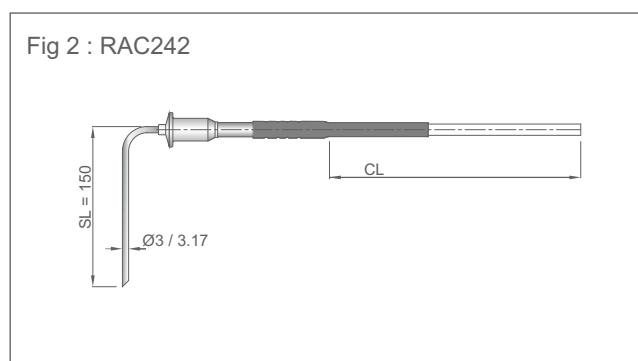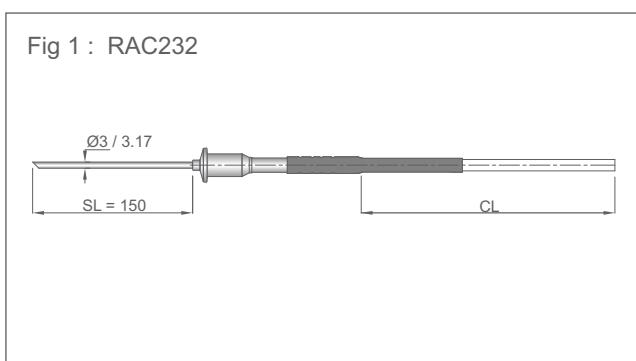
CABLE TERMINATION TYPES
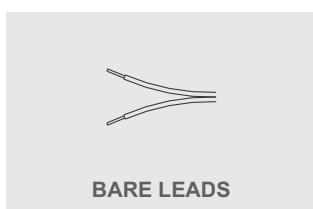
BARE LEADS
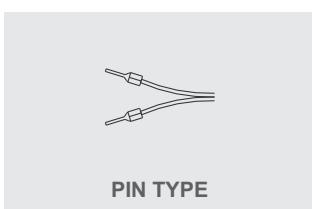
PIN TYPE

CIRCUIT DIAGRAMS

R R   W W
Pt100

4-wire, simplex

R R   W W
Pt100
BK BK   Y Y

4-wire, duplex

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RAC232, RAC242
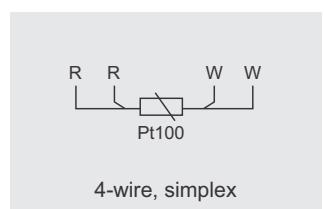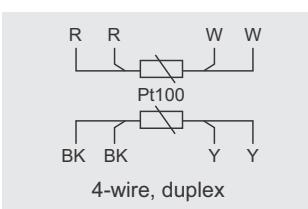
KEY FEATURES

- Cannula type tip for easy penetration
- Accuracy : Class AA (maximum cable length 10 m)
- Measuring range : 0 to 180°C
- Completely sealed construction
- 2 x Pt100, 4-wire

ORDERING INFORMATION

CODE	SPECIFICATIONS	1	2	3	4	5
RAC232	Straight Tube					
RAC242	Angular					
1	**No of Elements**					
	Simplex (One)	S				
	Duplex (Two)	D				
2	**Cable Length (CL, see Fig1, Fig2)**					
	5 m		05			
	10 m		10			
3	**Cable Termination**					
	Bare leads			BR		
	Pin type			PN		
4	**Future Parameter 1**					
	For future use				XX	
5	**Future Parameter 2**					
	For future use					XX

CODE - 1 - 2 - 3 - 4 - 5

Order Code Format : XXXXXX-X-XX-XX-XX-XX

Example

Dual element, 5 m cable, bare leads cable termination
RAC232-D-05-BR-XX-XX
RAC242-D-05-BR-XX-XX

RTDs FOR AUTOCLAVE

ENQUIRIES

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