# **APPLICATIONS**

- Process monitoring
- Temperature monitoring
- Monitoring of CIP-/SIP- process

# **PROCESS CONNECTION**

- Standard lengths 46mm / 52mm
- CIP/SIP cleaning up to 150°C
- All stainless steel construction

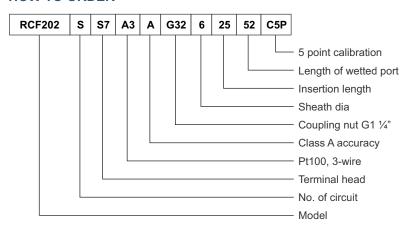
# **FEATURES**

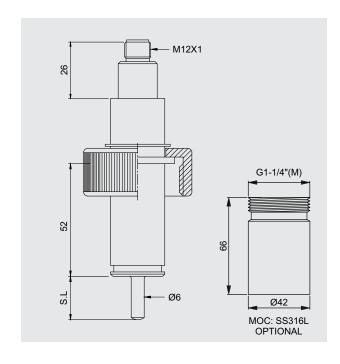
- Pt100 3-wire single / dual circuit
- Class A or higher accuracy
- Wetted parts made of SS316L
- Roughness value (Ra) ≤ 0.8 μm (standard)
- SS 304 coupling nut
- M12 connector for easy electrical installation
- EPDM sealing ring
- Operating pressure 10 bar
- Temperature range ambient -50... +85°C
- Temperature range sensors tip -50...+150°C
- Protection class, IP68

### **OPTIONS / ACCESSORIES**

- Pt100, 4-wire
- Custom port sheath lengths
- 2 x Pt100 (not- retrofittable)
- Available with weatherproof terminal head (Model RHF300) and flameproof terminal head (Model RXF300)
- 4-20 mA output
- Sensors tip with 4 mm (Straight)
- Sensor tips with 6 mm reduced to 4 mm & 8 mm reduced to 5 mm
- O Surfaces with Ra ≤ 0.38 μm for wetted parts
- Hastalloy C-276 material
- O Polyamide cable gland, M20X1.5 (M)

### **HOW TO ORDER**





# **ACCURACY OF Pt100 AS PER IEC 60751**

Pt100	A (½B)	AA (1/3B)	
0°C (100Ω)	±0.15°C/±0.06Ω	±0.1°C/±0.04Ω	
100°C (138.5Ω)	±0.35°C/±0.13Ω	±0.27°C/±0.1Ω	

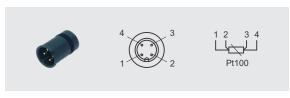
# **RESPONSE TIME**

Tip Dia.	lmm. Length	<b>T</b> <sub>0.5</sub>	<b>T</b> <sub>0.9</sub>
6 mm	25 mm	4 s	9 s

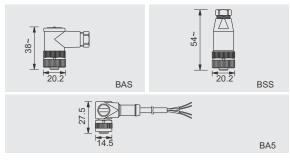
T<sub>0.5</sub> and T<sub>0.9</sub> shows the response times at 50% and 90% of the step change. This data is measured by immersing the sensing bulb from ambient temperature to boiling water flowing at 0.4 m/sec.

The result may vary according to the measuring environment and condition.

### **ELECTRICAL CONNECTION**



# **OPTIONAL ACCESSORIES**





Instruments: sales@radix.co.in
Sensors: sensors@radix.co.in
Gauges: gauges@radix.co.in
Automation: automation@radix.co.in
Level: level@radix.co.in

Dwyer: sales@radix.co.in



