

## COMPACT RTD SENSORS

- Pt-100, 4-wire
- Class A accuracy as standard, Class AA optional
- -50...+200°C measuring range with cooling fins
- For pipelines from 15NB onwards
- Operating pressure : 50 bar maximum
- Threaded process connection
- M12 connector with IP69K for electrical connection
- Variable insertion lengths from 20mm onwards
- Extremely short response times
- Highly accurate even with short insertion lengths
- AISI 316L (1.4404) body and wetted parts
- Surface finish :  $R_a \leq 0.51\mu\text{m}$  &  $\leq 0.8\mu\text{m}$  for wetted & non-wetted surfaces respectively
- Weld-in adaptors & mating sanitary fittings optional
- Tightening torque : 10 Nm
- Temperature range (ambient) : -40...+80°C
- Connecting cable : Optional, 5 meter long

## APPLICATIONS

- Oil & Gas / Chemical
- Water & Waste water
- Energy

## ACCURACY OF Pt100 AS PER IEC 60751

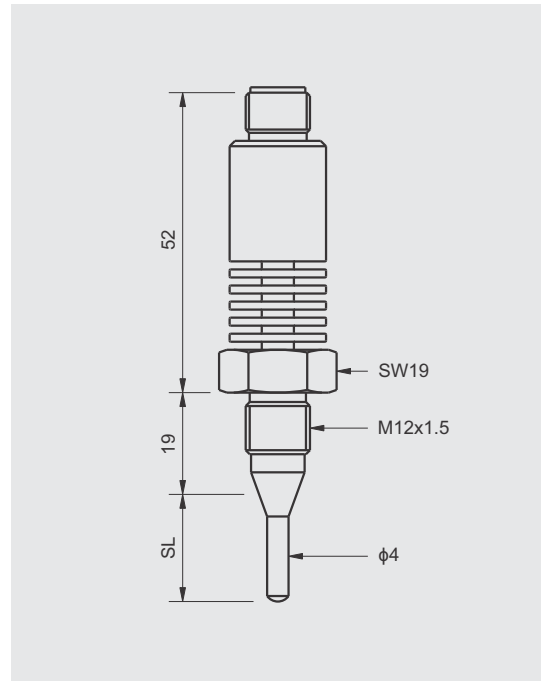
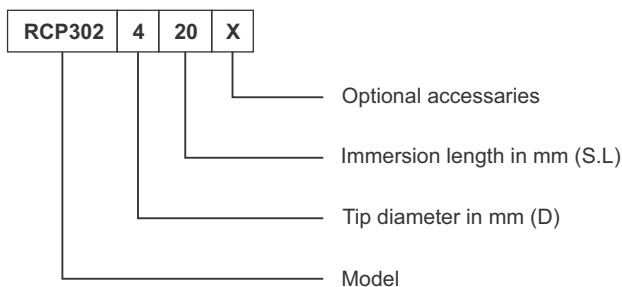
Pt100	A (½B)	AA (⅓B)
0°C (100Ω)	±0.15°C/±0.06Ω	±0.1°C/±0.04Ω
100°C (138.5Ω)	±0.35°C/±0.13Ω	±0.27°C/±0.1Ω

## RESPONSE TIME

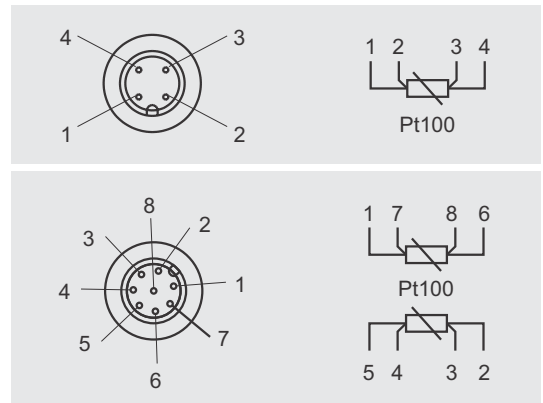
Tip Dia.	Imm. Length	T <sub>0.5</sub>	T <sub>0.9</sub>
4 mm	20 mm	2 s	4 s

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.

## HOW TO ORDER



## ELECTRICAL CONNECTION



## OPTIONAL FITTING (SS316L)

