

ATC Semitec – IP68 Rated Platinum Sensors

A range of double insulated, fully encapsulated over moulded temperature sensors offering IP68 waterproof protection. We have numerous platinum RTD element options to suit your specific application.

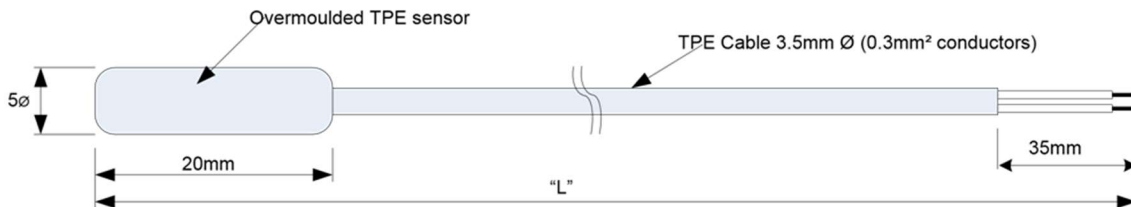
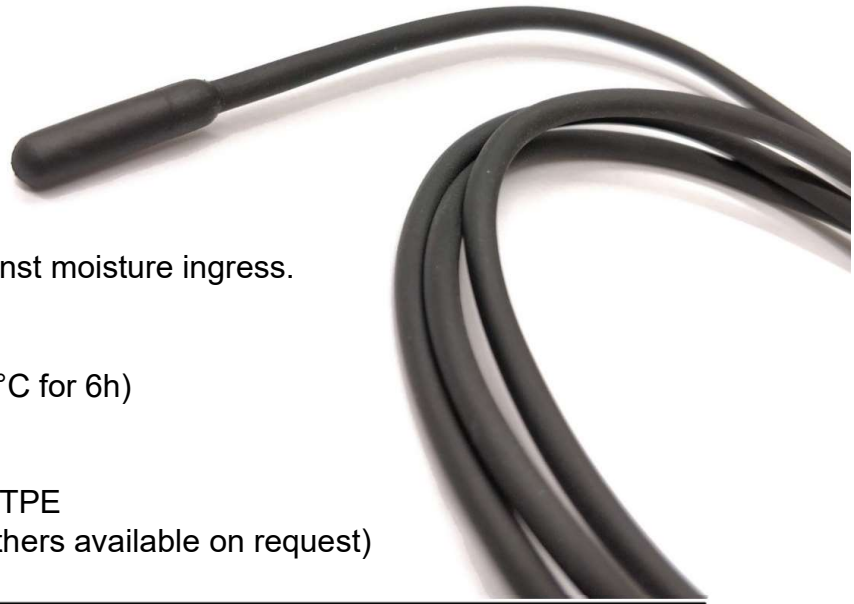
Applications:

- Heat pumps
- Under-floor Heating
- Refrigeration
- HVAC
- Solar

These sensors ensure absolute integrity against moisture ingress.

Features:

- Temperature range -40 to 105°C (150°C for 6h)
- IP68 waterproof integrity
- Di-electric strength: 3.75kVAC
- Insulation: primary PP and secondary TPE
- Cable lengths: 200mm to 10metres (others available on request)



Platinum RTD Options:

Pt RTD Element	R0 values	R0 Class Accuracy	T0 Tolerance	Temp Range
M222	100 Ω 1000 Ω	Class B Class A	±0.3K ±0.15K	-70 to 500°C

Generally, the sensors use the Heraeus M222 series, however they can use other series such as M213, M310 and M422.

Sensor also available as 4 wire to improve measurement accuracy.

Mounting and other options:

A range of stainless-steel housings can be added to increase sensor robustness or provide various mounting options. Different colour versions are also available.