

## ATC Semitec – IP68 Rated Thermistor Sensors

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

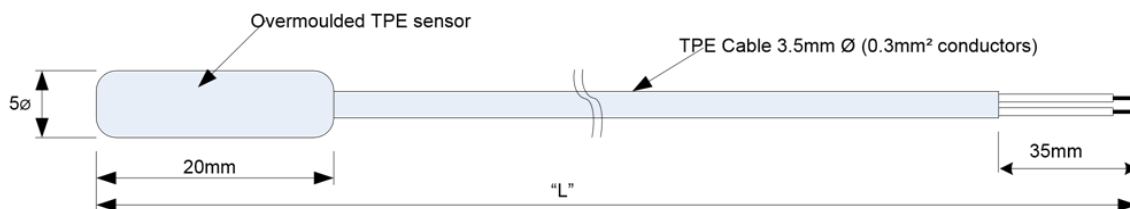
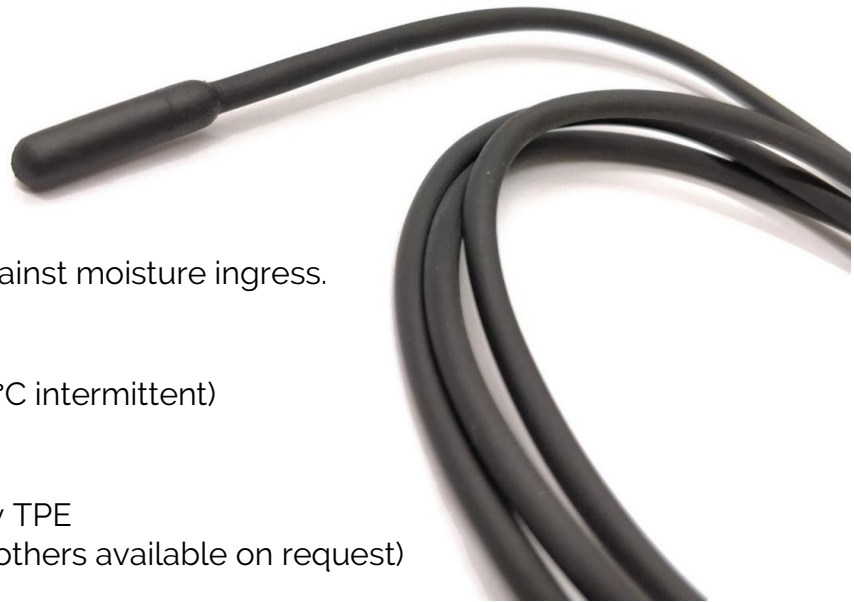
### Applications:

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

These sensors ensure absolute integrity against moisture ingress.

### Features:

- Temperature range -50 to 110°C (125°C intermittent)
- IP68 waterproof integrity
- Di-electric strength: 4kVAC
- Insulation: primary PP and secondary TPE
- Cable lengths: 200mm to 10metres (others available on request)
- IP65 version up to 150°C available



### Thermistor options:

The IP68 Series probes can use the following thermistor series;

<b>NTC Range</b>	<b>R25 values</b>	<b>R25 Tolerances</b>	<b>NTC Temp. Range</b>
AP Series	2kΩ – 200kΩ	0.5%-1%	-60/+150°C
SP Series	1kΩ – 100kΩ	0.2%-0.5%	-60/+150°C
AT Series	1kΩ – 100Ω	1%	-50/+110°C
NT Series	5kΩ – 1MΩ	1%-3%	-60/+300°C
ET Series	2kΩ – 232kΩ	1%-3%	-60/+100°C

### 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.