ATC Semitec stock a range of single-insulated, fully encapsulated sensors offering IP67 waterproof protection. The sensor tip is moulded directly onto the cable ensuring the interface is completely sealed.

The AT-11 is a go-to sensor with its small sensor tip responding quickly to temperature change. The flexible leads enable easy installation and the AT-11 offers industry standard resistance values such as the 10kΩ/B3435K (103AT-11).

**Key Applications**
- General temperature sensing
- Heat pumps
- Domestic heat recovery
- Battery stack monitoring
- Refrigeration controls
- Underfloor heating

**Features**
- IP67 protection
- Absolute integrity against moisture ingress
- Di-electric strength 3.75kVAC

**Temperature Sensor Range**
- -50 to +110°C

**Cable Length**
- Stock lengths of 0.6m, 1.5m, 3m
- Custom up to 10m

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**Thermistor Options**
The AT-11 probes can utilise the following thermistor series:

<table>
<thead>
<tr>
<th>NTC Range</th>
<th>R25 Values</th>
<th>R25 Tolerances</th>
<th>NTC Temp. Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>AT-2 Series</td>
<td>1kΩ - 100kΩ</td>
<td>1%</td>
<td>-50/+110°C</td>
</tr>
<tr>
<td>AP-2 Series</td>
<td>2kΩ - 200kΩ</td>
<td>0.5% or 1%</td>
<td>-60/+150°C</td>
</tr>
</tbody>
</table>

**Mounting and Other Options**
A range of stainless-steel housings can be added to increase sensor robustness or provide various mounting options.

For further information please contact us at sales@atcsemitec.co.uk