

# Push-in temperature sensor

## ET 10 BL



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# Handling

The push-in temperature sensor ET 100 BL is a simple sensor for the measuring of temperatures in liquids and semi-solid materials (e.g. frozen) as well as for the measuring of core temperatures in a borehole.

Plug the probe tip at least 4 cm deep into the liquid to be measured or into the to be measured good and release measuring procedure (as described). When measuring a core temperature keep the hole as small as possible. Dust the borehole and wait for the temperature compensation (due to the heat which is arised by boring).

Coat the probe tip with the silicon thermal paste and insert it into the hole. Small holes can be filled directly with the silicon thermal paste.

The response time is depending on the material which is measured. The time is between about 20 (liquid) and 120 seconds ( $T^{90}$ ).

- Measuring range: -50 - +250 C
- Sensor pipe: 100mm long,  $\varnothing$  3mm