# What is the operational temperature range of TRACE32 hardware tools?

2026-08-13 - Comments (0) - Setup / update

The TRACE32 tools are designed for an ambient temperature range of about +10 °C to +40 °C. Tools may work below or above that range, but we can not guarantee proper operation.

If you want to use the tools at higher temperatures **at your own risk**, you need to consider the following facts:

- The housing should not be exposed to temperatures above 85 °C. The housing begins to lose its shape and deforms at 90 °C and melts completely at 105 °C.
- Most electronic components are specified for an operating temperature range of at least 10 °C to 70 °C (Commercial Temperature Range). This means that you need an ambient temperature below 70 °C.

Refer for more information to the **Operating Manual** under https://www.lauterbach.com/about-us/compliance

**Extending the debug cable:**

It is possible to extend the debug cable by one or two meters in order to get the debug signals to/from a climatic test chamber CTC or temperature test chamber TTC. This results in slower debug speed. Typical ribbon cables and connectors that can be used for such an extension can withstand temperatures up to 105 °C. Please note however that the longer the extension, the higher the susceptibility to errors, which could lead to a “debug port fail” error in TRACE32 and a termination of the debug session.

Please contact the Lauterbach support in case you need an extension for the debug cable.