# GHP 500 – Thermal Conductivity Tester

## Guarded Hot Plate with touch display – especially for thick specimens!

Measuring devices of the GHP 500 series are robust cabinet devices which are especially suited for testing thicker specimens. Thanks to the integrated single board computer (SBC) with Windows operating system, the Lambda software and the high-resolution color touch display, the devices are very user-friendly.
Numerous interfaces such as RS232, USB and Gigabit Ethernet enable connectivity to peripheral devices and allow for fast and convenient data transfer.
Connection to an external PC allows for the extensive evaluation of test results and the printing of test reports.

# Features at a Glance

* Large thermal conductivity measuring range up to 2.0 W/(m·K) – depending on material and thickness
* Fully insulated guarded test chamber, designed for specimens with a thickness up to 200 mm
* Available as 1- or 2-specimen measurement method according to ISO 8302 (chapter 1.6.2)
* Easy specimen change from the front
* Integrated digital measurement of specimen thickness and sample pressure
* Motorized lifting of the upper plate
* Operator guidance via touch display with intuitive guidance through software
* Network capability
* Control, data acquisition and data processing via external PC and Lambda software (optional)
* Variable dimensions of heating plates; heating area from 100 mm x 100 mm up to 300 mm x 300 mm
* Square-shaped or rectangular measuring areas
* Cold plates and guarded chamber are controlled by chiller systems