# TDW 4040

## Test Chamber for Determining the Stationary Heat Transfer Properties with a Heat Flow Meter in Accordance with DIN EN 1934

The compact test chamber TDW 4040 was designed for testing brickwork (such as brick, lime sand brick, concrete, or aerated concrete) and basically simulates the temperature and the natural convection inside and outside a building. Optionally, the humidity level in the two sections of the chamber can be set as needed. The HotBox software at the measurement and control units is used to set all parameters, as well as for complete data logging, detailed analysis and printing of test reports. There are also other devices, accessories and materials that allow for sample preparation and conditioning to optimize the testing procedure.

## Features at a Glance

* Insulated warm and cold sections with heat exchangers and air deflectors, radial fans, roll chassis on guiding rails and 12-point locking system
* Insulated test frame with roll chassis and openings for sample insertion via forklift
* Recirculation cooler with water cooling for temperature control of warm and cold sections
* 2 isothermal blocks with 60 measuring points each, 1 set ot thermocouples, flow sensors, 2 heat flow meters with guard plates
* Control rack unit with measuring and control modules, PC printer and 23" monitor
* Interfaces: 1x RS232, 2x USB, 1x Gigabite Ethernet
* Single license for HotBox software
* 2x calibration panel with factory calibration certificate
* 1 set stainless steel guide rails for warm and cold sections