

digiChamber

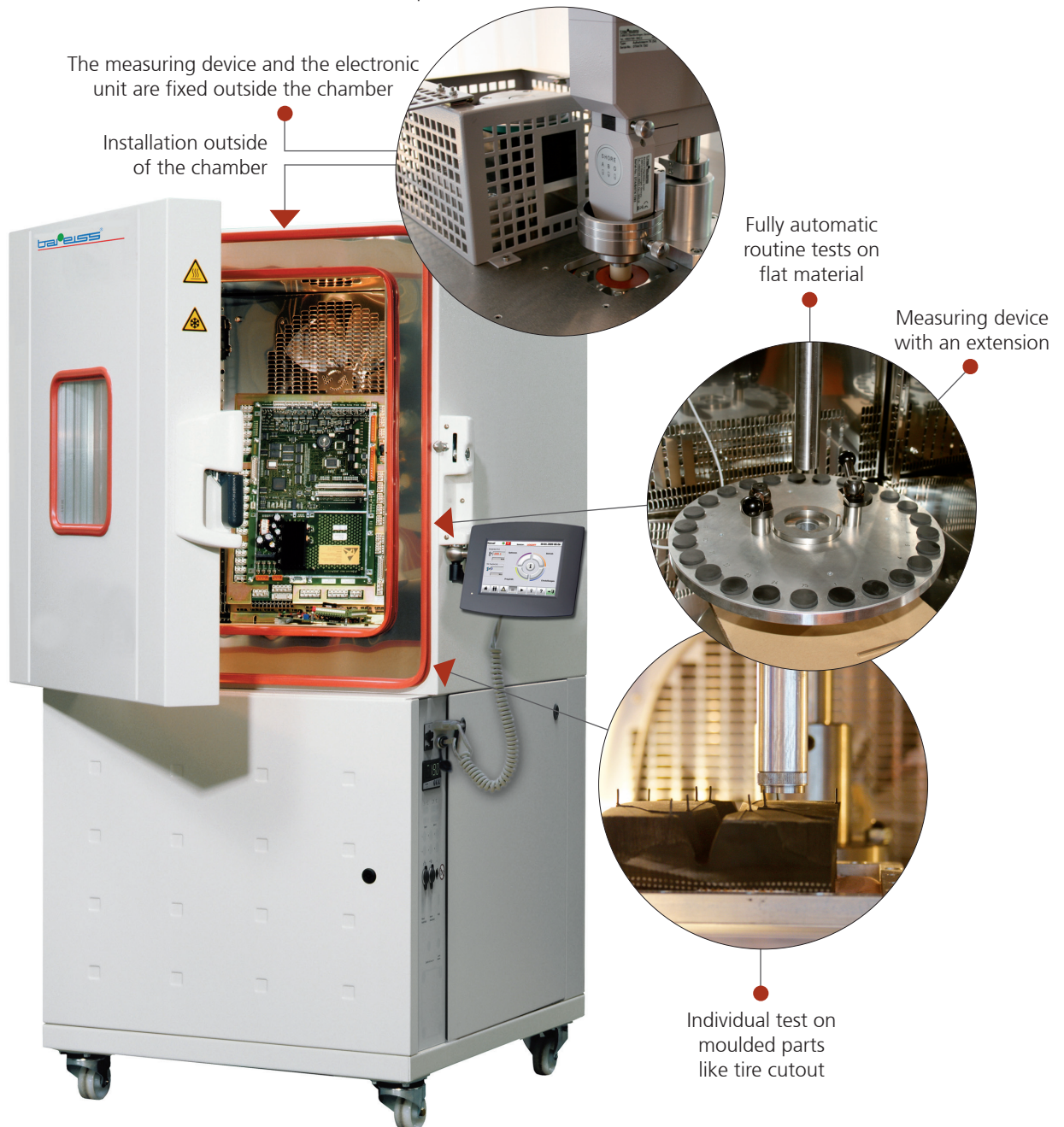
Hardness testing of elastomeric materials under temperature influence

The revolutionary digiChamber consists of a digi test II hardness tester and a temperature chamber which allows tests to be carried out at above or below ambient temperature. With the function of temperature control, the specimen can be examined of its hardness changes in extreme temperature conditions. This kind of test is ideal for automobile and tire industries as most of the rubber parts are required to sustain critical temperature changes. The entire system can be controlled by a touch panel with coloured display providing easy-to-use feature.

digiChamber works according to the standard DIN 53505 that:

- A chamber is provided in which the test temperature is maintained and in which measurements are to be carried out
- The test piece, test piece support, indenter and pressure foot may be placed in the chamber, while the indicating device remains outside the chamber at ambient temperature

PRODUCT INFORMATION



Productinformation



digichamber

Modular system with digital hardness testing and temperature control functions for routine and individual tests.

Field of application / configuration

- Shore/IRHD hardness test methods on elastomeric materials under temperature influence
- temperature range from – 70 °C to 200 °C
- custom configuration of the chamber according to requirements
- rotating table for 25 samples with diameter of 29 mm for each sample (customized rotating table to suit different sample sizes)

Electronic unit

The electronic unit provides parameter adjustments for dwell time, heating period and different test runs.

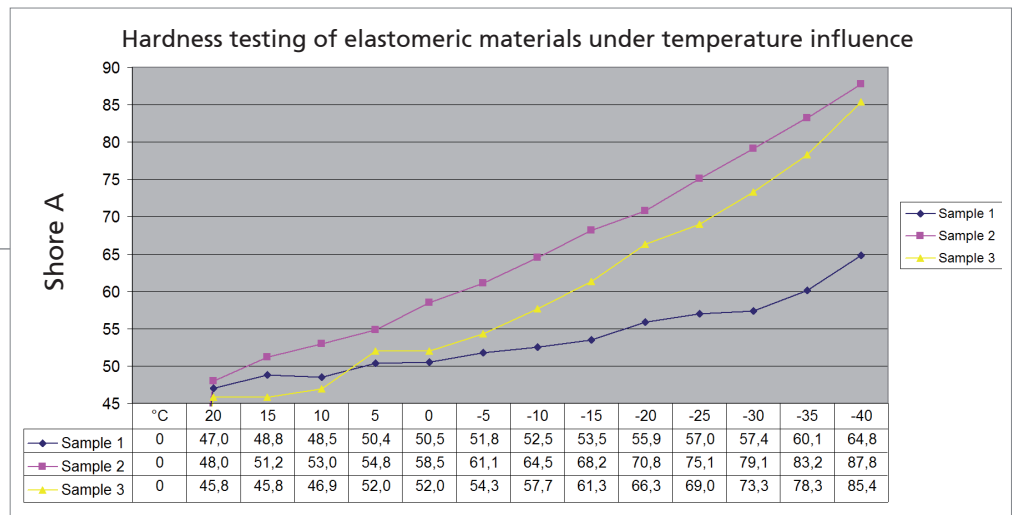


Routine tests are carried out automatically.

Software GKB for data transfer to Excel or other programs

Diagram

Compared with sample 2 and 3, sample 1 still remains elastic in low temperature conditions.



Official Dakks/DKD Certificate

For the digi test II measuring device and indenter

Technical data / digi test

Data output RS232/USB

Power supply: 100-240 VAC, 50/60 Hz

Dimension	LxWxH [cm]	weights
chamber	85 x 125 x 200	400 kg
Measuring device with an extension		7 kg
Electronic unit		1 kg