

NEW!



Figure 1: Mechanical set of Resimat 150 with the innovative ultrasonic fan-sensor LR 4 (top). It is designed to measure the recovery of a viscoelastic foam cube with 150mm edge length (red). Four software controlled clamps keep the sample down during the hold time.

Resimat is specially designed for testing the dimensional recovery properties and the force relaxation of viscoelastic foam samples. Two versions are available. Resimat 100 for samples with dimensions 100x100x50 mm³ and Resimat 150 for samples of 150x150x150 mm³. Resimat 150 enables recovery time measurements according to IKEA® specification no. IOS-MAT-0076. The software RESIMAT guides the user through the measurement cycle and handles the data exchange between the controller unit and the PC. The device can be used for foam development as well as for quality assurance testing.

The innovative ultrasonic fan-sensor LR 4 and a precision force gage are connected to the new

**Resimat®
Next Generation**

**Recovery and Relaxation
Measurement**

- Advanced Controller Unit
- Ultrasonic Sensor LR 4
- High Force Resolution

* Patent No. 10252211

Resimat controller unit of the product generation 287. Due to the improved high digital force resolution of the new Resimat controller unit, the precision force gage allows perfect force relaxation measurement of the strained sample. During the recovery process a high accuracy and repeatability of the height measurement is provided by the LR 4. After the test all data is saved and can be compared at any time later.

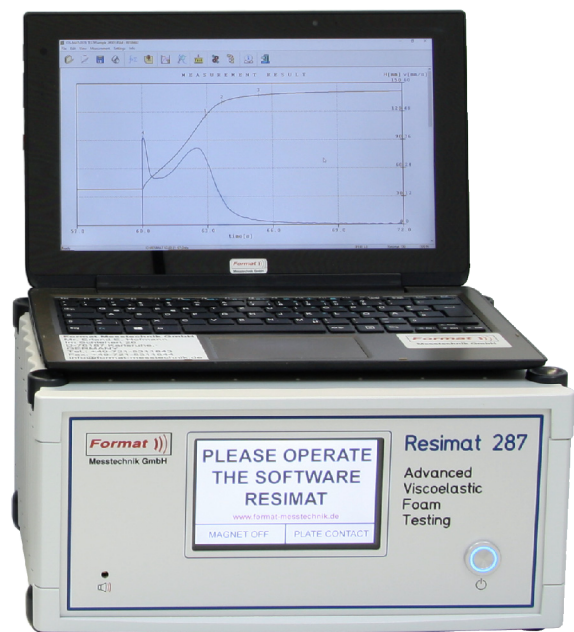


Figure 2: The new Resimat Controller Unit of the product generation 287 communicates with the PC software RESIMAT and controls all sensors and actors of the mechanical set (Fig. 1).

Order No.	
Resimat 150	287110
Resimat 100	287100