

New room temperature box EB 02.08

Elastocon has developed a new temperature box for stress relaxation test. The box is used when testing in room temperature to avoid variation in the load curve caused by temperature variation in the laboratory. The box can take 8 rigs and keeps the temperature constant within $\pm 0,2$ °C.



The new model has an improved temperature control system and a more effective Peltier cooling system. Temperature range is + 10°C – 40°C

New Elastometer, EF 02, for compression or stress relaxation

Our new elastometer can be used for compression tests on profiles and for discontinuous stress relaxation tests. The instrument is controlled by a computer and the software allows the following tests to be performed:

- discontinuous stress relaxation tests according to ISO 3384 method B
- Standard compression tests to measure modulus, such as in ISO 7743
- Customer specified tests on products like O-rings and profiles

The very accurate compression results are obtained due to the high accuracy in the displacement measurement, which includes a compensation for deformation in the load cell and in the instrument.



If equipped with the optional oven, tests can be performed from -40 °C to 200 °C. The test jigs for stress relaxation are simple in design but made with very high accuracy regarding surface finish and parallelism of the platens.

