

# Elastocon

## Test Tube Ovens, Models EB 11 & EB 11HT

### Test Tube Oven EB 11, with 24 test tubes.

The ovens are designed for ageing tests according to ASTM D 865 Rubber-Deterioration by Heating in Air (Test Tube Enclosure). The sample holder in each tube holds max. 3 samples.

The temperature accuracy is accomplished by heating the tube trough an aluminium block on which the tubes are placed.

The ovens can also be used for testing in liquids according to ASTM D 471 and ISO 1817 Effect of liquids.



### Technical specifications

Temperature range	: 40 – 200 °C (HT=300 °C)
Temp. control	
• 40-100 °C	: ± 1 °C
• 101-200 °C	: ± 2 °C
• 201-300 °C	: ± 3 °C
Temp. variation in space and time	: ± 0,5 °C
Temperature sensors	: PT 100, 1/3 DIN
Number of test tubes	: 24
Test Tube-dimensions (dia*h)	: 38 x 300 mm
External dimensions (w*h*d)	: 760 x 820 x 510
No. of temperatures	: 1
Weight	: 88 Kg
Voltage, V/phase/freq	: 220-240/1/50 (110-120/1/60)
Power	: 900 W
Standards	: ASTM D865, ASTM D471, ISO 1817

### Other specifications

- The ovens perform well inside the apparatus requirements in ASTM D865, ASTM D471 and ISO 1817
- The casing consists of steel, painted with powder paint in bluegreen colour.
- The inner chamber is made of aluminium.
- Temperature controller with 0,1°C set point.
- Solid state relay for safe control.
- Temperature indicator with sensor in one test tube.
- Adjustable over and under temperature limits with alarm.
- Fixed over temperature fuse.
- Cooling channels in the casing for low surface temperature.
- Temperature controlled cooling fan for the electronics cabinet.
- Indication of power failure.
- Run-time meter.

### Options

EC 11 is a data monitoring software, for monitoring instruments such as ovens and laboratories for temperature and humidity.

In the software it is possible to set alarm limits.

The software has three main windows, one to see actual temperature values and corresponding curves, one for comparing historical data and one for setting the communication with the amplifiers.

