

Hot Set Tester EB 16II



For determination of Hot Set according to IEC 811-2-1

The EB 16II is made for hot set testing of cable material according to IEC 811-2-1. To avoid too high temperature loss when inserting and cutting the samples, the samples are introduced through a small opening in the top of the oven.

Placed on a table top, the oven offers a suitable working height. The servo motor driven screw system ensures a disturbance free insertion of the samples.

An adjustable flow meter allows for an accurate air exchange rate and low air speed, meeting the requirements for ageing ovens according to IEC 811.

The measurements are made through the window with a laser pointer mounted on a measuring scale placed on the door. When necessary the window can be taken apart for cleaning.

With a push on a button on the scale the measured elongation values are entered in an Excel template.

The set is measured outside the oven with a digital calliper also connected to the computer.

A finished report can then be produced in Excel.

Technical Specifications

Temperature range		: 40 - 250°C
Temperature control		
	40 - 100°C	: ± 0.5°C
	101 - 200°C	: ± 1.0°C
	201 - 250°C	: ± 2.0°C
Temperature variation in time and space		: ± 0.25°C
Temperature sensors:		: PT 100, 1/3 DIN
Air speed, m/s		: <0,001
Useful volume		: 60 litre
Dimensions w x d x h		
	Interior	: 450 x 450 x 300 mm
	Exterior	: 820 x 680 x 1460 mm
Chamber illumination		: 10W, 24V Halogen
Weight, approx.		: 120 kg
Voltage/Phase/Frequency		: 220-240/1/50Hz
Power		: 2200 Watt

Other features

- ⊕ Sample holder movement by servo motor.
- ⊕ Flow meter controlled air exchange rate, low air speed.
- ⊕ Laser pointer for elongation measurement
- ⊕ Digital calliper for tension set measurement
- ⊕ Steel, powder painted oven body.
- ⊕ Stainless steel inner chamber.
- ⊕ Temperature setting, resolution of 0.1°C. Temperature sensor in the oven chamber.
- ⊕ Over temperature safety relay. Fuse for fixed limit of over temperature at 340°C
- ⊕ Adjustable over and under temperature limits with alarm
- ⊕ Cooling channels inside the oven body for low surface temperature
- ⊕ Temperature controlled cooling fan in the electronics housing
- ⊕ Temperature, timers, alarms and movement are controlled by a touch screen micro PLC
- ⊕ A computer with a 17" flat screen and MS Office installed are included.
- ⊕ The EB 16II Hot Set system is supplied with software for entering the data into an Excel sheet, which is included.
- ⊕ Two timers, preset to 5 and 15 minutes are included.
- ⊕ Run-time meter.

ELASTOCON reserve the right to modify this specification in part or in whole.

Artec Testnology

Titaniumlaan 100, NL-5221 CK, 's-Hertogenbosch
Postbus 12, NL-5330 AA, Kerkdriel
Tel. + 31 (0)73 6395080
Fax + 31 (0)73 6314625

E-mail info@artec.nl
Web www.artec.nl
KVK 20089339
BTW NL226577338B01