

Hot Set Tester EB 16



Oven for determination of Hot Set according to IEC 811-2-1



EB 16 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. To get a suitable working height and not shake the samples during insertion, the samples are fixed and the oven moves up and down by a pneumatic cylinder.

EB 16 is equipped with pinching protection and an emergency button for increased safety. The oven has a controlled air exchange rate and low air speed, meeting the requirements for ageing ovens in IEC 811.

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

With a push on a button on the scale the measured values are entered in an Excel template, when measuring the elongation. The set is measured outside the oven with a digital caliper also connected to the computer.

A finished report can then be produced in Excel.

Technical Specification, Hot Set Tester

Temperature range, °C:	40 - 250
Temp.control, 40 - 100 °C, °C:	± 0,5
101 - 200 °C, °C:	± 1,0
Temp.variation in time and space, °C:	± 0,25
Temperature sensors:	PT 100, 1/3 DIN
Air speed, m/s:	<0,001
Useful volume, l:	60
Dimensions, inner, w x h x d, mm:	450 x 450 x 300
Dimensions, external, w x h x d, mm:	830 x 2 300 x 740
Illumination of the inner chamber:	10W, 24V halogen
Air changes, changes/hour:	14
Weight, kg:	approx. 150
Voltage, V/phase/freq:	220-240 / 1 / 50
Power, W:	2 200
Safety:	Pinching protection

- The oven perform well inside the apparatus requirements in IEC 811
- The oven is supplied with an up and down function by a pneumatic cylinder.
- The oven has a controlled air exchange rate and low air speed, meeting the requirements for ageing ovens in IEC 811.
- A caliper is included for measurements outside the oven.
- A computer with a flat 17 " monitor and MS Office installed is included.
- The EB 16 Hot Set system is supplied with software for entering the data into an Excel sheet. For this, an Excel template is included.
- The casing consists of steel, painted with epoxy powder paint in bluegreen colour.
- Temperature controller with 0,1°C setpoint.
- Adjustable over and under temperature limits with alarm.
- Cooling channels is the casing for low surface temperature.
- Two timers are included.
- Temperature controlled cooling fan for the electronics cabinet.
- Run-time meter.
- Compressed air required.

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

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