

AUTOMATIC OXYGEN INDEX EQUIPMENT MODEL EA04

For determination of the minimum quantity of oxygen required for the combustion of the sample according to:

ISO 4589-2, ASTM D 2863, CEI 20-22/4

The apparatus, using the minimum quantity of oxygen required for combustion, determines the flammability characteristics of the material under test. This test is mainly required for materials used for electric cables production.

The oxygen percentage is detected by a paramagnetic transducer, and the combustion occurs inside the glass column.

The operator is setting the O₂ ratio only, while the N₂ flux is kept constant by proportional valve of the electronic system.

Technical Specifications:

Detection of oxygen percentage by para-magnetic transducer

LCD direct reading measurement (19 mm h);

Automatic flux O₂ / oxygen %

Facility calibration control

Gas flow control;

Column made in heat-resistant glass and stopper for easy maintenance

-dimensions 100mm diameter by 450 mm height

Supplied with:

N. 1 sample holder of self-supporting samples;

N. 1 sample holder of non-self-supporting samples;

Burner for ignition of the sample, with direct connection;

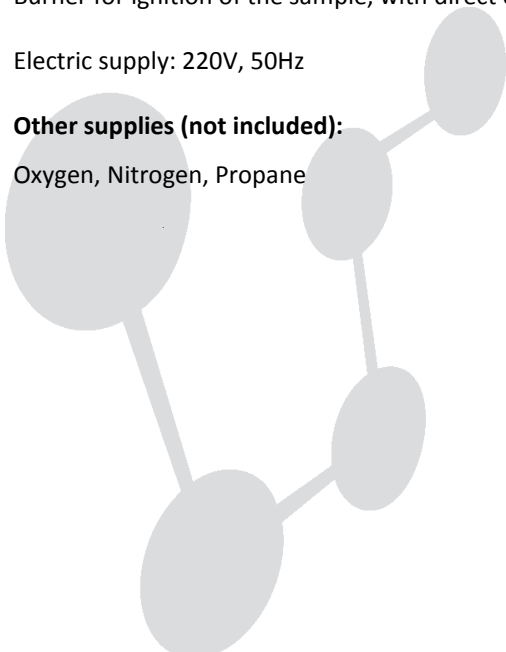
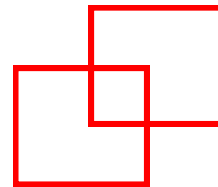
Electric supply: 220V, 50Hz

Other supplies (not included):

Oxygen, Nitrogen, Propane



Automatic oxygen index model EA04



TEMPERATURE OXYGEN INDEX EQUIPMENT MODEL EA05

For determination of the minimum quantity of oxygen required for the combustion of a sample at temperatures up to 400° C according to ISO 4589-3, ASTM D 2863, CEI20-22/5

The apparatus, using the minimum quantity of oxygen required for combustion, determines the flammability characteristics of the materials under test. This test is mainly required to test materials used for electric cables production.

The oxygen percentage is detected by a paramagnetic transducer, and the combustion occurs inside the glass column.

The digital display continuously indicates the oxygen concentration, the gas flow is checked by micrometric valves and the flow rate is monitored through a digital indicator

The temperature is monitored up to 400°C both during preheating of the gaseous mixture, and inside the column where the sample is located, through PID temperature control.

Technical Specifications:

Detection of oxygen percentage through paramagnetic transducer;

Direct reading O2;

Automatic Control Flow and oxygen %;

Gas flow control;

Flow distributor internal to the column

Mixture flow LED bar indicator

Closing valve and of propane gas regulation

Indicator of the superficial temperature of the test-piece equipped with survey feeler;

Column made in heat-resistant glass with heating resistance - mm 450 h x 100€

and glass column of protection ;

Thermocouple in inconel steel;

Thermoregulator for monitoring the heating temperature of mixture up to max 400° C; Thermoregulator for monitoring the temperature inside the glass column.

Supplied with :

N. 1 sample holder of self-supporting samples;

N. 1 sample holder of non-self-supporting samples;

Burner for ignition of the sample, with direct connection;

Plier for sample positioning;

Supplies :

220 V single phase

Oxygen

Nitrogen

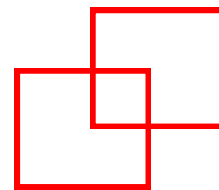
Propane

Dry compressed air at 2 atm

AUTOMATIC OXYGEN INDEX AND TEMPERATURE OXYGEN INDEX EQUIPMENT



Temperature oxygen index model EA05



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