

EA04 LIMITED OXYGEN INDEX - AUTOMATIC
DATA SHEET


Assessment of the minimum concentration of oxygen that supports flaming combustion in a flowing mixture of oxygen and nitrogen.

Complying with: ASTM D 2863/ ISO 4589-2/ CEI 20-22/4 A

This test method may be used to measure and describe the properties of materials, products, or assemblies in response to heat and flame under controlled laboratory conditions.

The oxygen percentage is detected by a paramagnetic transducer and the combustion occurs inside the glass column. The management of the test is obtained by reading directly from Colour TOUCH SCREEN 7" both for the calibration and for the reading of the values in% of oxygen.

Features:

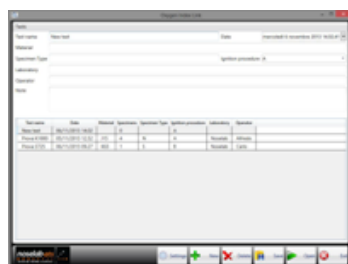
- Detection of oxygen percentage by a paramagnetic transducer (O₂ accuracy <0.1%)
- Direct reading from colour display (% Oxygen, Flow, Air).
- Automatic flow control through mass flow
- Automatic control of oxygen / nitrogen mixing
- Device management by microprocessor
- Mixture management with addition of air for cheaper measures with high oxygen concentration
- Automatic calibration (0 and 100%)
- Flow distributor inside the column
- USB output for PC connection

Supply included:

- Support for self supporting specimens
- Support for non-self supporting specimens
- Support for thin specimens
- Column Pyrex glass with cap
- Burner for the ignition of the sample with manual regulator and gas hose
- Clamp for specimen positioning

Optional :

Software testing report data , easy to use customize your testing procedures and final Report.


General:

- Column : type A $\varnothing 100 \times 450$ h (mm)
- Dimensions: 630 x 300 x 570 h (mm)
- Net weight: kg 18
- Gros weight: kg 21

Standard

ASTM	D 2863
ISO	4589-2

Power supplies :

- Power 230 V 50Hz single phase
- Oxygen
- Nitrogen
- Propane
- Dry industrial air 2 bar

Code	Description
10095104	EA04 LIMITED OXYGEN INDEX
00100203	Software Data Link INDOX and USB cable
Code	Accessories
10100115	Needle support
10100116	Clamp support
10100117	U shape support
10004053	Burner torch with adjustment and gas pipe
10004055	Lighter (torch, regulator, hose neoprene, propane gas cartridge with safety valve)
10004056	Cartridge propane / butane
17101000	Pyrex glass column with stopper (type A)

