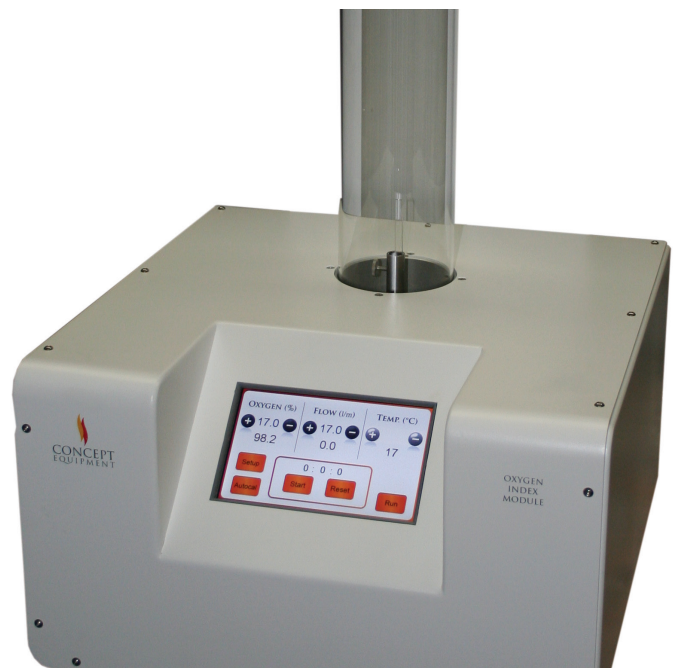


## OXYGEN INDEX MODULE

### FEATURES

- The Oxygen Index Module measures the oxygen index (OI, LOI or COI) for a range of samples.
- It is simple to use, and utilises an easy to read digital display, indicating the oxygen index directly in % Oxygen, as well as the flow rate in nl/min and the column temperature in °C.
- This new model from Concept Equipment utilises the very latest control technology and is extremely easy to use. For example, selection of oxygen concentration is by push-button control and the oxygen and nitrogen valves are adjusted automatically. This differs from most competitive products, where valves need to be adjusted manually, which can be frequently time consuming and a tedious task. On the front of the module there is a display panel showing instrument status, oxygen concentration, flow rate of gas flowing through the chimney, chimney temperature and lapsed time during the test. In other models of LOI, only oxygen concentration and chimney temperature are normally indicated digitally.
- Calibration of the instrument is fully automatic. The “Autocal” button is selected on the display panel and calibration at zero % and maximum range oxygen is then performed automatically by the instrument, without the necessity of manual ‘trimming’, as with other instruments.
- A “home” standby screen enables test setup and then entering the “run” screen activates the gas supplies and allows the test to begin.
- A state of the art oxygen transducer, accurate to  $\pm 0.1\%$ , is used for measurements.



### SPECIFICATIONS

**ISO 4589-2:1989**

**ASTM D 2863:2008**

**NES 714**

## OXYGEN INDEX MODULE

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### TECHNICAL DATA

**Electrical:**

230 volts AC 50Hz volts / 115volts AC 60Hz

**Ambient Temperature:**

Operating 10°C to 35°C

**Dimensions:**

450mm (W) x 750mm x (H) x 450mm (D)

**Oxygen Analyser:**

Repeatability (typical):  $\pm 0.1\%$  Oxygen

Linearity (typical):  $\pm 0.1\%$  Oxygen



### SERVICES REQUIRED

**Gas Supply:**

Oxygen and Nitrogen at 2.7 Bar (39 psi) nominal.

Minimum flow on Oxygen and Nitrogen pipe lines 20 nl/min (normally bottled supply with inline regulator and filter)

No other restrictions should be used as this will reduce the flow rates at the point of entry to the instrument.

**Electrical supply:**

The European supply voltage to the instrument is nominally 230 volts, 50 cycles. In the US, it is supplied with a voltage of 115 volts, 60 cycles.

The power input connection lead should be fitted with a suitable mains plug, specific to the country of installation. This should also provide an effective earth connection.