



### INTRODUCTION

Nowadays, the internal combustion engines are one of the main polluting agents. Although the pollution values are not individually representative, they are a noxious focus when referring to all of the group. A gas analyzer unit allows to measure reliably the different gaseous polluting agents concentration, which are emitted to the atmosphere by a focus.

### GENERAL DESCRIPTION

Measurement of the volumetric concentrations according to the procedure of nondispersiva infrared absorption.  
 Engines selection: Gasoline, Butane (GPL), Propano, 2/4 times, 1/2/3/4/5/6/8/12 cylinders.  
 Fast WarmUp of the measure cell.  
 Auto-Check test.  
 Automatic and manual ZEROING.  
 Data base of engines.



ISO 9001: Quality Management (for Design, Manufacturing, Commercialization and After-sales service)



European Union Certificate (total safety)



Certificates ISO 14001 and ECO-Management and Audit Scheme (environmental management)



"Worlddidac Quality Charter" and Platinum Member of Worlddidac

## SPECIFICATIONS

### Measurements:

- Carbon monoxide CO (%).
- Carbon dioxide CO<sub>2</sub> (%).
- HC gasoline, propano, methane (ppm).
- Oxygen O<sub>2</sub> (%).
- Carbon monoxide CO adjusted (%).
- Lambda calculation.
- Oil temperature.

### Technical Data:

- Power Supply: 115/230 VAC - 50/60 HZ - 68 W.
- Measure time: 12 seconds (maximal).
- WarmUp time: 6 minutes (from 25 °C).
- Work Temperature: from +2 °C to +40 °C.
- Humidity: 95 % max (non condensed).
- Pressure: 800-1060 mbar.
- CO (+/- 0.02 % abs +/-3 % rel): from 0 to 15%.
- CO<sub>2</sub> (+/- 0.3 % abs +/-3 % rel): from 0 to 20%.
- HCg (+/- 4ppm abs +/-3 % rel): from 0 to 15000 ppm vol.
- HCp (+/- 8ppm abs +/-3 % rel): from 0 to 30000 ppm vol.
- O<sub>2</sub> (+/- 0.1 % abs +/-5 % rel): from 0 to 25 %.
- COc (+/- 1 % abs +/-3 % rel): from 0 to 20 %.
- Lambda: from 0 to 9.999 rmp.
- Oil temperature: 0 - 200 °C.
- Sample gas tube length: 6 m approx.
- Sample gas tube diameter: 5 mm approx.
- USB wire to computer (PC).
- Control software.

## DIMENSIONS AND WEIGHTS

### TBMC-AGE:

- Dimensions: 600 x 200 x 300 mm approx.  
(23.62 x 7.87 x 11.81 inches approx.).
- Weight: 5 Kg approx.  
(11 pounds approx.).

\* Specifications subject to change without previous notice, due to the convenience of improvement of the product.



C/ Julio Cervera, 10-12-14. Móstoles Tecnológico.  
28935 MÓSTOLES. (Madrid). ESPAÑA - SPAIN.  
Tel.: 34-91-6199363 Fax: 34-91-6198647

E-mail: [edibon@edibon.com](mailto:edibon@edibon.com) Web: [www.edibon.com](http://www.edibon.com)

Edition: ED01/18  
Date: November/2018

REPRESENTATIVE:

