

# OPA-100

## OPACIMETER FOR DIESEL ENGINES



## OPA-100

Its **small, compact size** and **12 V d.c power supply** mean it can be used as a portable tool in situations where this is necessary, held by its comfortable, ergonomic handle.

## OPERATING MODES

Smokemeter module to be connected to the serial port of any Personal Computer. The small size and the 12V dc power supply allows using it as portable tool wherever required. OMNIBUS 800, the specific proprietary software developed by Brain Bee, allows for the management, with **OPA-100**, of different vehicle's diagnostic and maintenance operations.

## GUARANTEED MODULARITY

Like other tools of the line, the **OPA-100** opacimeter **can be integrated in the different BRAIN BEE emissions control configurations**, providing the end user with his own control station to meet his every requirement. It can also be integrated in existing stations (on a Brain Bee trolley) demonstrating that restyling will not affect the performance of stations of those already working with Brain Bee tools.

## TECHNICAL FEATURES

LIGHT SOURCE	GREEN LED
LIGHT RECEIVER	PHOTODIODE
MEASUREMENT CHAMBER PRESSURE CONTROL	AUTOMATIC
STABILISING OF MEASURING CHAMBER AT 90°C	YES
GLASSES CLEANING SYSTEM AUTOMATIC CONTROL	AUTOMATIC
AUTOZERO	AUTOMATIC
HEATING TIME TO 20 °C	10 MINUTES
RPM AND TEMPERATURE RECEPTION	VIA CABLE OR RADIO
CONNECTIONS	RS 232 SERIAL; RS 485 NETWORK SERIAL
POWER SUPPLY	12 VDC TYP (11-15VDC)
POWER CONSUMPTION	1A DC, 5A DC WITH HEATING ON
OPERATING TEMPERATURE	0 ÷ 40 °C
DIMENSIONS	200 X 140 X 430 MM
WEIGHT	5 KG

## MEASURING FIELDS

OPACITY	0	÷ 99.9	%	RES. 0.1
OPACITY	0	÷ 9.99	M-1	RES. 0.01
REV COUNTER	300	÷ 9990	REVS/MIN	RES. 10
OIL TEMP	20	÷ 150	°C	RES. 1
FUME TEMP	20	÷ 400	°C	RES. 1

### HOMOLOGATIONS

APPROVAL IN THE FOLLOWING COUNTRIES:  
AUSTRIA, BRAZIL, BULGARIA, REP. CZECH,  
COLOMBIA, GERMANY, INDIA, ENGLAND, ITALY,  
MOROCCO, NETHERLANDS, PERU, ROMANIA,  
RUSSIA, SPAIN, HUNGARY



**Brain Bee S.p.A.**  
Tel. +39.0521.954411  
Fax +39.0521.954490  
www.brainbee.com - contact@brainbee.com