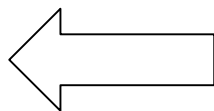
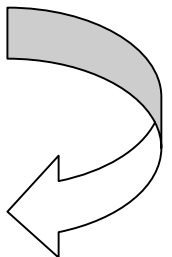
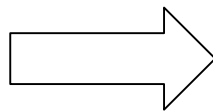




# PROTHEO Light

SIMPLIFIED INFRA-RED LEAK DETECTION SYSTEM THAT  
CAN EASILY BE INSTALLED ON THE VEHICLE



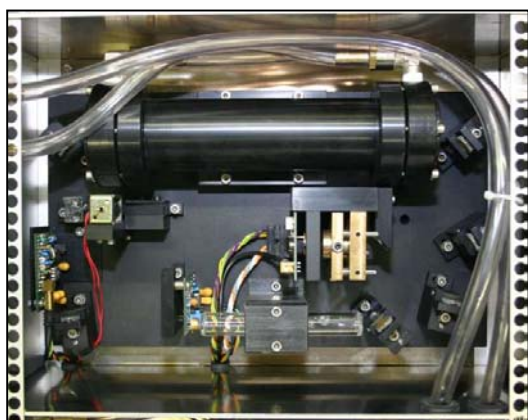
## CHARACTERISTICS

## PROTHEO Light

- ⇒ DEVELOPED FOR THE DETECTION ON METHANE GASPIPES
- ⇒ TAKES ADVANTAGE OF THE ABSORPTION CHARACTERISTICS OF CH<sub>4</sub>
- ⇒ THE VEHICLE DRIVES DOWN THE STREET AND ABSORBES THE AIR FROM THE GROUND
- ⇒ THE ABSORBED AIR IS ANALYZED BY THE LASER DEVICE
- ⇒ THE MEASURING AND CONTROL UNIT CONSIST OF EASILY INTERCHANGEABLE RACK MODULES WITH VERY RELIABLE INDUSTRIAL POWER CONNECTORS
- ⇒ USES A LASER INFRARED SYSTEM FOR THE SELECTIVE DETECTION OF METHANE GAS WITH A PRECISION OF 1 PPM
- ⇒ EASY TO INSTALL
- ⇒ LOW MAINTENANCE
- ⇒ EASY TO USE

### **TECHNICAL DATA:**

- **ABSORPTION:**  
1.65 µm laser diode
- **PRECISION:**  
1 ppm (threshold always present in the air is 2 ppm)
- **SELECTIVITY:**  
> 10.000 i.e. 10.000 ppm  
the presence of other gases influences with < 1 ppm (absence of false alarms)
- **TIME RESOLUTION:**  
1 second



Instrument for the detection of methane



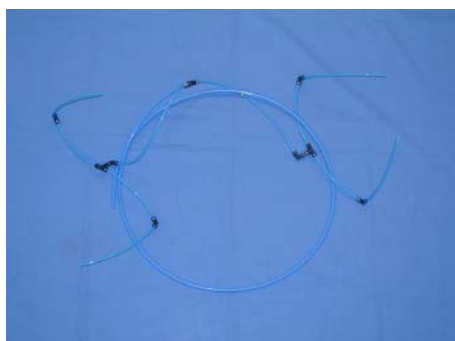
Rack installed on vehicle

## KIT DESCRIPTION

# PROTHEO

## Light

The Protheo Light kit is composed of the following elements:



1 Suction system  
(already assembled)



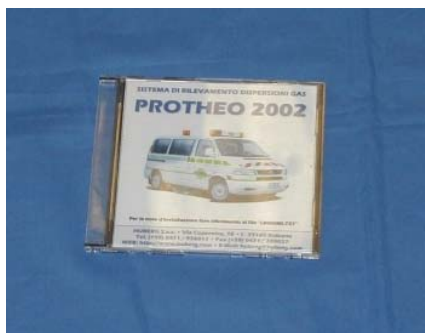
1 grey power supply cable 10 mm<sup>2</sup>  
with fuse and connection eyelet



1 black cable to 1 mm<sup>2</sup> for signal  
motor on



1 USB cable to connect to notebook



1 Protheo software



4 fixing bolts with flat washer



1 strap kit for fixing tubes & cables



3 rubber plugs for the tube passage



1 cabinet with PROTHEO LIGHT system

### **ADDITIONAL NECESSARY EQUIPMENT:**

Lifting platform for vehicles

Electric drill (3 – 13 mm)

Set of points 3 – 13 mm

1 countersink tool  $\varnothing$  20 mm

2 adjustable spanners of 13 mm

Equipment for electric cables

Tester for measuring electrical tension

You will need two people for the installation