

ENVIRONMENT

AMBIENTE



# RELIASENS

CONTROL UNIT FOR THE  
ENVIRONMENTAL MONITORING

## GENERAL CHARACTERISTICS

ReliaSENSIt is a control unit for monitoring am-compact and easy to install environmental.

ReliaSENS allows you to collect, process and trans-stop parameters relating to air quality, the level of particulate matter (PM10) and environmental noise.

Depending on the number of parameters you want acquireReliaSENSIt is available in two versions: the first (18-13-00-99), equipped with 3 sensors, allows the monitoring of gaseous pollutants CO, NO2 and O3; the second version (18-13-00-98) allows you to monitor to collect, in addition to these parameters, particulate matter (PM10) and ambient noise.

The acquired data can be sent to the central software via GPRS/3G modem or, alternatively- goes, via Ethernet network (optional) or WiFi (optional). (nal).

The low power consumption of the control unit allows for its use both in stations powered by the electrical network trica (230V/50Hz) and photovoltaic panels, making I give the use ofReliaSENSsimple and flexible.

The control unitReliaSENScan be used in sva-fields of application, such as:

- Traffic (motorways, railways, airports, ports)
- Industry (chemical, manufacturing, steel)
- Urban (schools, hospitals, residential areas)

## MAIN FEATURES

- Fixed or mobile applications
- Simple installation
- High precision and accuracy
- Low energy consumption
- High communication skills



## TECHNICAL FEATURES

### GAS POLLUTANTS

#### Carbon Monoxide (CO)

- Measuring range: 0...50 ppm
- Detection limit: 5 ppb
- Accuracy: < 10 ppb

#### Nitrogen Dioxide (NO<sub>2</sub>)

- Measuring range: 0...20 ppm
- Detection limit: 5 ppb
- Accuracy: < 5 ppb

#### Ozone (O<sub>3</sub>)

- Measuring range: 0...2 ppm
- Detection limit: 5 ppb
- Accuracy: < 3 ppb

### PARTICULATE MATTER (PM<sub>10</sub>)

- Accuracy: 10%
- Acquisition technology: Light scattering

### AMBIENT NOISE

- Frequency range: 100 ... 10,000 Hz

### OPERATION RANGE

- - 20 °C ... +50 °C

### DIMENSIONS

- 180 x 360 x 150 mm (W x H x D)

### SUPPLY VOLTAGE AND CONSUMPTION

- 12...24 Vdc
- 4.5W

### COMMUNICATION

- GPRS/3G
- WiFi (optional)
- Ethernet (optional)

### GEOLOCATION

- GPS available with GPRS/3G module