

Far Data Noise and Environmental Monitoring Station ENVIRO-151



Gold Medal during International Trade Fair POLEKO 2008 in Poznan.

Remote configuration and measurement session programming. Intuitive software.

RS 232, USB, LAN, WiFi, GPRS communications interfaces.

Compatible with most of measuring devices available on the market.

DESCRIPTION

Noise and Environmental Monitoring Station Enviro 151 is a complete terminal for collecting noise, road traffic volume and environmental condition (temperature, air humidity, atmospheric pressure, wind's speed and direction, atmospheric precipitation) data in a continuous and long-term way. In addition an air quality measuring module can be connected to the station (optional). One of the advantages of the station is that the measurement data are supported by AUDIO and VIDEO signal recording.

The modular structure of the station allows to select any configuration accurately tailored to the customer's needs. The station can also operate as a mobile measurement system fitted in a car equipped with an inbuilt pneumatic sliding mast or as a stationary system installed in a selected point.

The recording of acoustic indicators is made with the use of a first class noise level meter. The road traffic volume measurement is made with the use of a radar device. Thanks to a unique measurement method the measuring device does not come into contact with a road lane (unlike other solutions such as induction loops), which adds to its value. What is more, weather resistance (especially to snowfalls and fogs so typical of our climate) gives a huge advantage over such solutions as video-detection. It must also be noted that Enviro 151 can measure traffic parameters in up to 10 lanes simultaneously and at the same time it can classify vehicles and measure their speed.

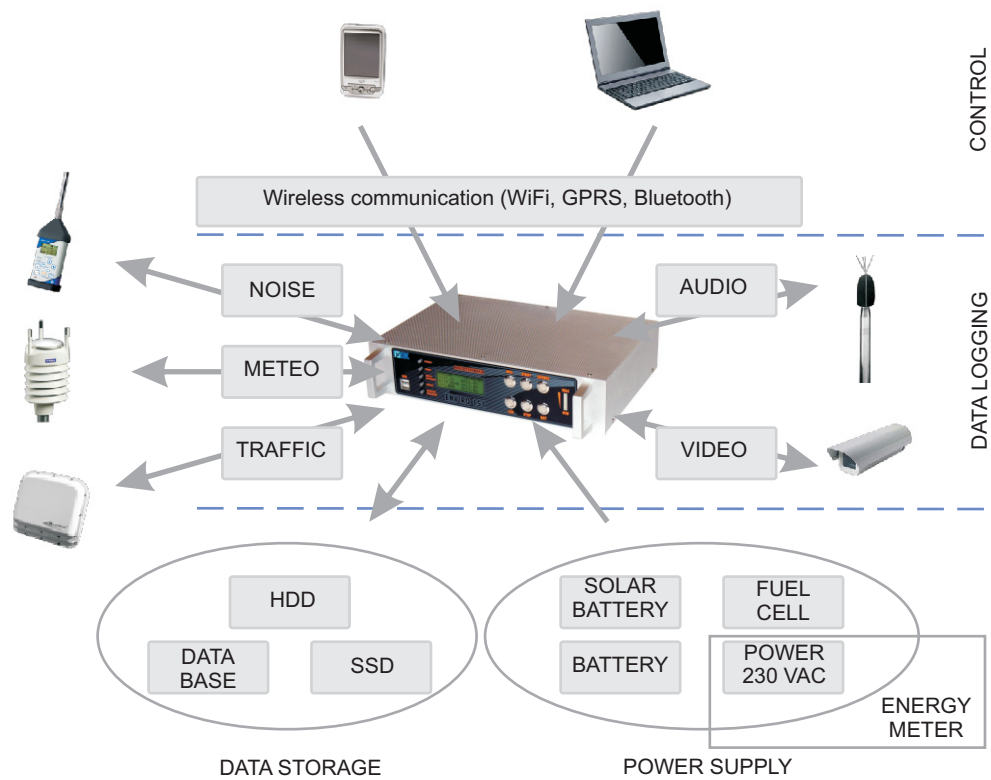
The software which is used to receive data allows the user to send any amount of information, so, for example, if you use a GPRS link, you can send only what is absolutely necessary to lower the costs of transmission. In this case all data are downloaded periodically with the use of Wi-Fi or LAN wireless technology. Electricity for the station and all other devices connected to it is supplied from an inbuilt power pack, which can draw energy from 220 V mains, a solar cell, an accumulator, a fuel cell or a street lamp.



Gold medal MTP POLEKO



DIAGRAM



TECHNICAL DATA OF CONTROLLER

RS232 interface	4
USB 2.0 interface	4
audio input/output	1
Ethernet LAN/WAN interface	1
WiFi interface	1
GPRS/UMTS GSM modem	1
HDD	min. 160 GB
watchdog	YES
buffer power supply	YES
rate of stationary housing tightness	IP 54
rate of case tightness	IP 67
mechanical resistance of stationary housing	IK 10
energy consumption	20 W
power supply voltage	12 VDC lub 230 VAC
temperature operation range	from -40°C to +70°C

AVAILABLE VERSIONS



ENVIRO-151 as a mobile measurement system



ENVIRO-151 stationary version