

Control Unit for Wind Speed and Direction – USB Mass Storage DATA LOGGING

ANTC-IDV32 is a high performance control station for professional wind speed and direction data loggings. It is used mainly for analysis of pre-installed wind turbines and wind flows MONITORING chemically hazardous environments.

It comes standard with USB stick to the' data storage and security of a fixed Eprom on board that works in the case of full or faulty stick.

The log is made as regards the speed and angle of direction stored in degrees per second.

On the key to a text file is compiled every 24 hours, indicating the date of the day acquisition. Since a file .TXT, can be treated by any calculation program after appropriate consideration and / or analyzed with the software of our own design: **WIND ANALYSIS.**



USB mass storage



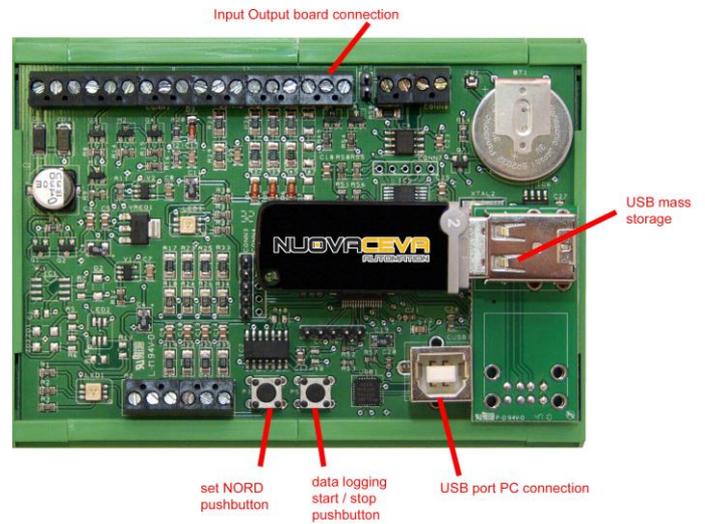
SET NORD and start/stop
DATA LOGGING pushbuttons



The Central-ANTC IDV32 doesn't need PC to be installed in the field, because once you set the current date and time stored and maintained by lithium backup battery (operation usually carried out prior to shipping), simply insert the key into the slot and, using the 2 buttons to the board, press to set the NORTH and then press to start and / or stop the running log. A practical green LED flashes to tell you if the log is written or not.

Technical Features

- Power supply 12 Vdc
- Current consumption 95 mA St.By - 145 mA with D. LOG. active and inserted USB stick
- Mounting on DIN rail base with attacks
- Overall dimensions 113 x 82 x 47 mm
- 1 digital input frequency dedicated for anemometer
- 1 analog input voltage dedicated anemoscope
- 1 SPI port for communication to MODEM
- 1 USB type A for key input
- 1 USB type B port for PC connection
- 1 secure memory, 8 MB EPROM
- 1 memory stick 2 GB included
- Red LED power
- 3 color LED GREEN / BLUE / RED flashing logger active on USB DATA LOGGER / EPROM or ANOMALIES Warnings



Accessories



Standard accessories
2 Gb USB mass storage

Optional Items

EPROM
2Mb to store data



Power supply
Stabilized 220 Vac / 12Vdc-2A

Modular Transformer
230 Vac / 8-12 Vac – 8VA

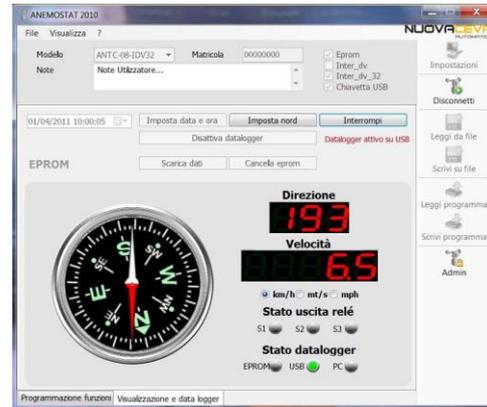


Container
Outdoor pin container with transparent door and terminal compartment for convenient connections

Software

ANEMOSTAT 2010 software include on ANTC-IDV32 supply.

It is a excellent tool for viewing real-time wind speed and direction, programming the data logger and download data Eprom.



WIND ANALYSIS (www.analideventi.it) is a software designed to process analysis and design activities on the wind.

Through charts accurate and complete, simple and intuitive, are represented flows of wind, depending on the direction and speed, with a simulation of the wind rose, recreated in different graphical representations.

This software allows you to make appropriate considerations taking advantage of a detailed overview on the wind activity measured and stored. In addition to providing valuable data for energy use, it becomes a useful tool to monitor the movement of masses of suckers in the presence of chemicals released in the environment.

WIND ANALYSIS allows you to graphically process a percentage of the speed distribution and the annual estimation of the power based on the recorded period.

