iENGINE DATALOGGER

iEngine model Datalogger Control Unit

PRODUCT DESCRIPTION

Backed by its more than 25 years of experience in the field of environmental monitoring, ETG has developed a new generation of very low consumption acquisition units able to meet the market's growing demands for open, modular and web-visible equipment.

Designed to meet all real-time monitoring requirements, it was built to interface with all existing weather instruments. Equipped with built-in GSM/GPRS card and memory card, it downloads data locally or sends them to an IP address for downloading via web.

OPERATION

ETG satisfies the user's requirements by making innovative, technologically advanced instruments distinguished by:

- **reasonable prices**
- **reliability**
- **adaptability**
- **low consumption**

The iEngine is part of the new family of ETG products for continuous monitoring of physical environmental parameters.

- **i-Agro to protect against plant disease risks**
- **i-Meteo to merge agrometeorological data with wind direction and velocity**
- **i-Rain to measure the intensity and quantity of rainfall**
- **i-Level to measure the hydrometric level of waterways**
- **i-Depth to measure parameters such as quantities of underground water**
- **i-Wind to measure wind potential**
- **i-Fire to prevent the risk of fires**
- **i-Snow to alert the risk of avalanches**
- **i-Flow to monitor delivery units and to control solenoid valves remotely.**
- **i-Moisture for the smart, wireless monitoring of soil moisture**

SPECIFICATIONS

The iEngine is made up of 2 distinct cards: one to interface with the sensors and the other for communication. It meets the Rohs standards and has obtained CE marking It is distinguished by:

- **Internal microcontroller: equipped with high-speed Flash memory**

- **Analogue: uses a 24-bit ADC and can sample 4-20mA and 0-1Vdc type of electrical signals with a sampling frequency that can be set from 1 second to 24 hours**

- **Power supply: it can be powered with both type D alkaline batteries and a 12Vdc battery**

- **Memory Card: extractable, micro–SD type**

- **GSM/GPRS modem: to send alert SMSs and for high-speed Internet connection**

- **Hyperterminal: to configure the datalogger through an easy and intuitive interface**

FUNCTIONAL BENEFITS

- **Messaging with SMSs sent to predefined users in case of alarm**
- **Monitoring, display and data download from a dedicated website**
- **Data archiving, storage and backup on dedicated server**
- **Diagnostics, data archiving on dedicated server with daily analysis and validation**
- **Can be interfaced with sensors of every world manufacturer**
- **Data archiving in CSV file format and storage on extractable memory card, micro-SD model**

15 cm