

- **Digital environmental monitoring system.**

WireClimArt
Central Unit:

Applications:

WireClimArt is a flexible system for the monitoring of microclimates.

System connection

The central station is connected to the sensors by RS 485 communication standard. This means that there are no limits in cable length, and no electrical disturbance.

WireClimart can support a great number of sensors. Sensors can be added or removed at any time.

Sensors

WireClimArt automatically recognizes the sensor connected. You can connect:

- T/RH indoors or outdoors
- surface temperature
- wind speed and direction
- internal air flux
- light, UV probes (UVA, UVB, UVC)
- oxygen and CO₂ sensors
- solarimeter
- movement sensor

Sensor control

The back lit display shows the current value measured from each sensor connected to the system.

Data recording

Data is recorded on an internal Memory Card or directly on a PC connected to the WireClimArt system

- WireClimArt has a 512 kb (standard), 1Mb or 2Mb (optional) Memory Card.
- WireClimArt can be connected to a host PC by a RS 232 serial connection. The recorded data is directly visualised and memorized on the PC.

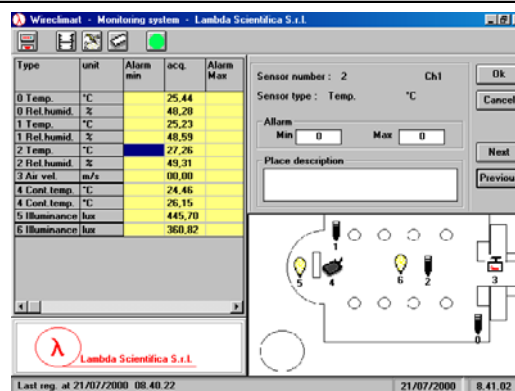
Modem connection

You can control the system remotely with an analogic or GSM modem to check the state of the system at any time and download the recorded data.

Software

The software allows you to record, verify and archive your data in any moment.

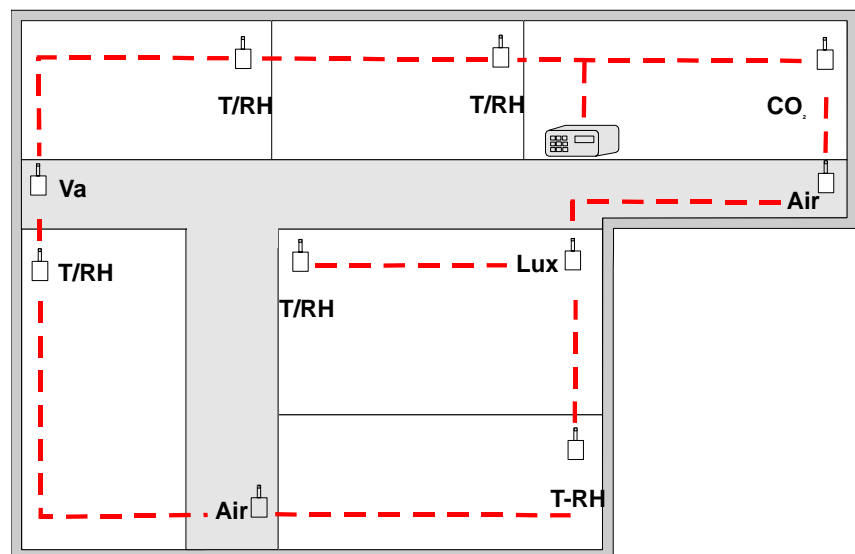
- Runs on Windows; especially designed with the Italian Conservation Institute for maximum compatibility with their research team.
- allows communication with the central unit for data retrieval and parameter setting
- You can choose alarm values for your sensors
- You can see a graphic time trend of the parameters recorded.
- You can see sensor and probes locations on a graphic map of the site


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TECHNICAL DATA

Central unit- sensors Communication standard	digital by RS 485
Sensor connection	All sensors are attached to a single cable (2x0,22 + 2x0,5)
Central unit – PC Communication	RS 232 Serial Port
Sensors	All WireClimArt sensors
AD Converter	12 bit
Recording system	512kb Memory Card (optional 1Mb or 2Mb)
Recording capacity	130.000 values on 512kb Memory Card
Clock	HW, Lithium Battery
Display	back lit LCD
Power Supply	220Vca
Work Operating Condition	-10 ÷ 50 °C
External Case	In ABS
Dimensions (mm)	260 x 250 x 100
Weight	2 kg

System Example**LAMBDA SpA**

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CERTIFIED
QUALITY SYSTEM



UNI EN ISO 9001:2000
UNI EN ISO 13485:2004