



# Data Acquisition System



**AKIVISION** data acquisition system was specially developed to monitor air movement conditions. It is perfectly suitable for process monitoring and control of air parameters :

**Temperature - Humidity - Pressure - Air Velocity - Airflow**

**AKIVISION** data acquisition system is also suitable for applications of many fields such as :



Service sector heating/air conditioning



Clean room



Cold chambers



Boilers



Refrigerating



Greenhouses

## 1 References & designations



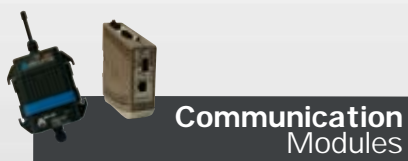
Software



Link Modules



Acquisition Modules



Communication Modules

<b>AKIVISION</b>	Acquisition/monitoring (A) and data processing (E) software, and safety key.
<b>AKIVISION - E</b>	Data processing software for additional PC and safety key.
<b>ML 120</b>	PC link module with USB/RS 485 connection.
<b>ML 100</b>	PC link module with RS 232/RS 485 connection.
<b>MD 100</b>	8 4-20 mA / 0-10 V analogue inputs, RS 485 output.
<b>MD 120</b>	6 PT 100/PT 1000 analogue inputs, RS 485 output.
<b>MD 140</b>	6 NTC thermistance inputs, RS 485 output.
<b>MD 160</b>	8 thermocouple K, J and T inputs, RS 485 output.
<b>MR 100</b>	RS 485 input module, 8 relay outputs.
<b>MA 100</b>	GSM module, 1 dry contact input, SMS output.
<b>MC 120</b>	RS 485/radio converter module (max. 1500 m in free field)
<b>MC 100</b>	RS 485/ethernet converter module.
<b>MM 100</b>	RS 485 repeater module to extend network to 1200 m.

Software compatible with Windows, **AKIVISION** data acquisition system does not only enable to **configure, record and display data in real time**, but also to process all measuring data coming from KIMO transmitters and probes installation.

Example of installation :

A version of **AKIVISION** software enables to **configure** all transmitters and modules of your installation, and to **record and display measurements in real time**.

The software **automatically** searches for all instruments from the network (slaves) and displays them...

...It is then possible to proceed to all **settings** :

- **channels** and **units**
- analogue **outputs**
- **alarms** and **relays**
- **measuring** functions
- **modules**

- Set up of **measuring intervals** (seconds and minutes).

- Set up of data **backup frequency**.

Start **acquisition**...

- Set-up of **software alarms, unlimited** in numbers.
- For each alarm, several conditions can be added.

### Sensors Transmitters



PRESSURE  
TEMPERATURE  
HUMIDITY  
VELOCITY  
AIRFLOW

### Displays Transmitters



MULTI-PARAMETERS

### Probes of Temperature



PT 100  
PT 1000  
THERMOCOUPLE K, J, T  
NTC

- **graphic display : accurate and clear !**

Allows to monitor measurements on the whole network thanks to graphic display and to consult statistics.

#### Visual !

**Alarms are displayed in lines** to make them more visible.

**Tick / untick** boxes for channels, alarms and relays to personalize display.

- **synoptic display : user-friendly !**

Alarms, instruments and measurements can be positioned directly from a drawing or a picture of installation.

#### Practical !

Clicking on the instrument representation enables to **configure** them

**and to display their values !**

### Bonus :

#### Do not hesitate to contact us !

- We can configure all your instruments to set up your installation.

- We can train your team.

E version of **AKIVISION** software easily enables to **process, process** and **print** all measured data.

- **Calculation functions** can be added from temperature and hygrometry curves : **absolute humidity, dew point, wet temperature, enthalpy**.

**Insert comments** on the curves to underline key points.

- **Mathematical functions** can be added : addition, subtraction, sinus, tangent...

- Pages can be added to analyze measurements only from some transmitters or for some parameters that need being observed more precisely.

Consult **record** of all interventions.

- **Export all data** under text format to retrieve them under spreadsheet program.

- Make one's own graphic presentations or statistics.