# KIMO® INSTRUMENTS

## Portable
### Instruments

Pressure • Temperature • Humidity • Velocity and Airflow • Tachometry • Air quality • Sound level • Light

www.kimo.fr

EUROPEAN K MANUFACTURER

# Summary

3 ranges to meet

## Class 100 & 200

Hygrometers — Page 6

Anemometers — Page 8

Manometers — Page 10

Air quality — Page 12

Tachometer — Page 12

Gas detection — Page 16

Infrared thermometers — Page 16

Sound level meters — Page 20

Noise dosimeters — Page 21

Luxmeters — Page 22

Solarimeters — Page 23

**Dedicated to Food Industry**

Thermometers - Hygrometers
**Class 150** — Page 17

**NEW**

## Software

*Interchangeable measurement modules Class 200/300*

# Class 300
## Multifunction

Thermometer

Hygrometer

Anemometer

Manometer

Air quality

Tachometer
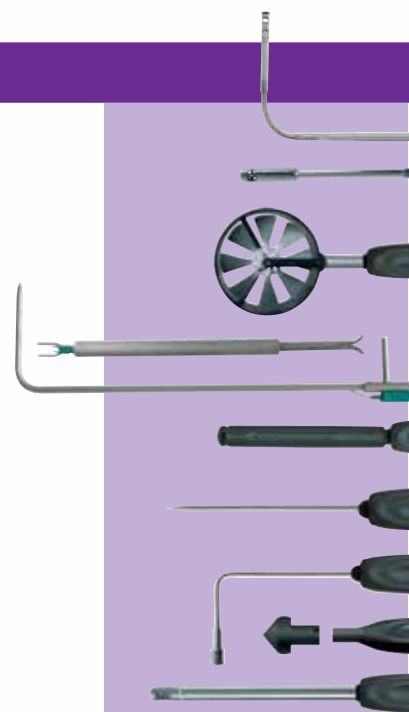
# Thermometers

Temperature, delta T, selection of units, hold, max., min., adjustable automatic shut-off and backlight.

## TK100/TK102
### Thermocouple K, J, T

- 1 or 2 channels thermometer
- Interchangeable probes

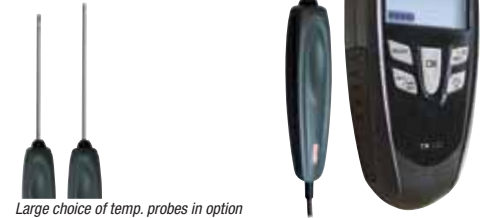*Large choice of temp. probes in option*

## TN100/TN101/TN102
### NTC

- 1 or 2 channels thermometer
- One fixed probe or a large choice of interchangeable probes

*Large choice of temp. probes in option*

## TR100/TR102
### PT100

- 1 or 2 channels thermometer
- Interchangeable probes

*Large choice of temp. probes in option*

## TK102
### 2 channels

## Class 100 & 200 accessories

## Probes
### PT100, NTC, Thermocouple K, J, T

**Interchangeable SMART + probes**
Probes automatically recognized when connected to the instrument.
(PT100 probes)

**Calibration certificate** — Supplied with

**Lamella contact angled**
from -50 to + 250°C

**Contact with circular tip**
from -50 to + 250°C

● Supplied with  ● Optional

| | |
|---|---|
| *Current/voltage module* | |
| *Module with 4 THERMOCOUPLE inputs* | |
| *Thermocouple K, J, T probe** | |
| *NTC probes** | |
| *NTC penetration probe* | |
| *PT100 probe** | |
| *PT100 probe* - wireless -* | |

**Control Led**
- Instrument connection
- Measurement

**Multifunction key**

**Wired**

**Wireless** (PT 100 probes)

*Large choice of temperature probes in option*

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Temperature, delta T, selection of units, hold, max., min., audible alarm (2 setpoints).

**8,000 measurement points.**

**Range dedicated to Food-Industry**

**INFRARED**
Thermometers

## TM200
**4 Thermocouple inputs**
**2 PT100 inputs**

**Wireless probes**

**Interchangeable modules**

**Module with 4 Thermocouple inputs**
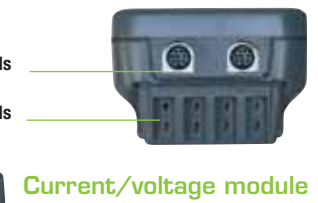
2 PT100 channels

4 Thermocouple K,J,T channels

**Current/voltage module**

*Large choice of temperature probes in option*

For ΔT supervision on air handling system.

**Supplied in a transport case**

**Magnetic protective cover**
Hands-free

**Black ball (class 200)**
With connection gland

**Datalogger - 10 (class 200)**
Software for data recording and processing.

**Wireless connection**
*(class 200)*

| | TK100 - TK102 1 channel 2 channels | TN100 - TN102 1 channel 2 channels | TN101 | TR100 - TR102 1 channel 2 channels | TM200 |
|---|---|---|---|---|---|
| 0 to 2,5 V 0 to 10 V 0 to 4-20 mA | | | | | 🟢 |
| K : -200 to +1300°C J : -100 to +750°C T : -200 to +400°C | | | | | 🟣 |
| (Measuring range according to model) | 🟢 | | | | 🟢 |
| -40 to +120°C (according to model) | | 🟢 | | | 🟢 |
| | | | 🟣 | | |
| -50 to +250°C (according to model) | | | | 🟢 | 🟢 |
| | | | | | 🟢 |

# Hygrometers

Class 100

## SERVICE
### Humidity rate monitoring

## CLEAN ROOMS
### Hazardous area control

## HM100
### Pin moisture meter

Indication of humidity percentage for
4 types of different material:
- Hardwood
- Softwood
- Concrete and plaster
- Bricks

**NEW**

Relative humidity, dew point and temperature.
Selection of units, hold, max., min.,
adjustable automatic shut-off and backlight.

## HD100
### Hygrometry
### Temperature
- Fixed probe

KIMO

63.1 %RH
18.3 °C

HD 100

## Class 100 & 200 accessories

*Supplied with* **Calibration certificate**

## Probes
### Hygrometry, temperature
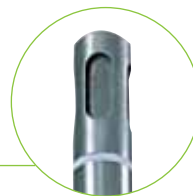
**High temperature and hygrometry probe**
- From -40 to +180°C

**Interchangeable**
**SMART + probes**
Probes automatically recognized when connected to the instrument.

● Supplied with ○ Optional

| | |
|---|---|
| *Current/voltage module* | |
| *Module with 4 THERMOCOUPLE inputs* | |
| *Standard hygrometry probe* | |
| *Standard hygrometry probe - wireless -* | |
| *High temperature hygrometry probe* | |
| *High temperature hygrometry probe - wireless -* | |
| *PT100\* temperature probe* | |
| *PT100 temperature probe - wireless -\** | |
| *Thermocouple K, J, T\* probes* | |

*\*Large choice of temperature probes in option*

**Wired**   **Wireless**
(Pt 100 probes)

**Wireless**
(Pt 100 probes)

Absolute and relative humidity, dew point, surface dew point, temperature and wet temperature, enthalpy, WBGT index, delta T, selection of units, hold, max., min.

**8,000 measurement points.**

## HD200

**Hygrometry**
**PT100**
**Thermocouple K, J, T**



KIMO
46.5 %RH
C2  21.37 °C
Td  9.41 °C
TW  14.35 °C
Hold  Colours  Forms
HD 200

*Large choice of temperature probes in option*

### Wireless probes

### Interchangeable modules
**Module with 4 Thermocouple inputs**
**Current/voltage module**

### High Temperature Humidity probe
• Stainless steel probe
• Up to 180°C

For all humidity measurement fields.

Supplied in a transport case

**Magnetic protective cover**
Hands-free

Necessary for **WBGT index calculation**

**Black ball (class 200)**
With connection gland

**Datalogger - 10 (class 200)**
Software for data recording and processing.

**Wireless connection**
*(class 200)*

| | HD100 | HD200STD | HD200HT | HD200 |
|---|---|---|---|---|
| 0 to 2,5 V / 0 to 10 V / 0 to 4-20 mA | | ● | ● | ● |
| K : -200 to +1300°C / J : -100 to 750°C / T : -200 to +400°C | | ● | ● | ● |
| 3 to 98 %RH / 0 to 600 g/Kg / -40 to +70°C$_{td}$ / -20 to +80°C | ● | ● | ● | ● |
| 3 to 98 %RH / 0 to 600 g/Kg / -50 to +80°C$_{td}$ / -40 to +180°C | | ● | ● | ● |
| | | ● | ● | ● |
| -50 to +250°C (according to model) | | ● | ● | ● |
| | | ● | ● | ● |
| (according to model) | | ● | ● | ● |

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Velocity and airflow in ducts and with cones, temperature. Selection of units, hold, max., min., automatic average, adjustable automatic shut-off and backlight.

## LV101
### Ø14mm vane

- Velocity • Airflow in ducts and with cones
- Temperature • Fixed probe

## LV107 & LV110
### Ø70mm & Ø100mm vane

- Velocity • Airflow calculation • Temperature
- Fixed probe • **Detection of airflow direction**

## LV120 & LV130
### Ø100mm vane

Thermo-anemometer with Ø100mm fixed or rotative vane probe.

**NEW**

## VT100
### Hotwire

- Velocity
- Airflow calculation with cone
- Temperature
- Velocity compensation with air pressure
- Fixed probe

## Probes

### Ø14mm, Ø70mm and Ø100mm vanes, Hotwire

**Hotwire**
- Standard or telescopic gooseneck-shaped
- Built-in Pt100 temperature probe

**Ø 70mm, Ø 100mm vane**
- Detection of airflow direction
- Built-in Pt100 temperature probe

**Ø14mm vane**
- Built-in Pt100 temperature probe

**Control Led**
Instrument connection
Measurement
**Multifunction key**

**Wired**

**Wireless** (PT 100 probes)

## Class 100 & 200 accessories

● Supplied with   ● Optional

| | | LV120 | LV130 |
|---|---|---|---|
| Current/voltage module | 0 to 2,5 V / 0 to 10 V / 0 to 4-20 mA | | |
| Module with 4 THERMOCOUPLE inputs | K : -200 to +1300°C / J : -100 to +750°C / T : -200 to +400°C | | |
| Standard Hotwire | 0,15 to 30 m/s | | |
| Telescopic gooseneck-shaped hotwire | -20 to +80°C / 0 to 99999 m³/h | | |
| Airflow cones | | ● | ● |
| Ø14 mm vane | 0,8 to 25m/s | | |
| Ø14 mm telescopic vane | -20 to +80°C / 0 to 99999 m³/h | | |
| Ø70 mm vane | 0,3 to 35m/s | | |
| Ø70 mm wireless vane | -20 to +80°C / 0 to 99999 m³/h | | |
| Ø100 mm vane | 0,25 to 35m/s | ● | ● |
| Ø100 mm wireless vane | -20 to +80°C / 0 to 99999 m³/h | | |
| PT100 temperature probe* | -50 to +250°C | | |
| PT100 temperature probe* - wireless - | (according to model) | | |
| Thermocouple K, J, T probe* | (Measuring range according to model) | | |

# Class 200

## Anemometers

Velocity and airflow in ducts and with cones, average (point per point, automatic and automatic point per point), K2 factor, temperature, delta T. Selection of units, hold, max. min., Standard deviation.

**8,000 measuring points.**

### VT200
**Vanes**
**Hotwire**
**Temperature**



**Hotwire**
• Standard or telescopic gooseneck-shaped
• Built-in Pt100 temperature probe

## Airflow at vent outlet



• Airflow cones for hotwire and vane probes :
200 x 200 mm
300 x 300 mm
450 x 450 mm
550 x 100 mm

## Wireless probes

**Wireless connection**



Ø70 mm and Ø100 mm vane and PT100 temperature probes.

## Interchangeable modules
**4 inputs Thermocouple module**
**Current/voltage module**



Airflow cones for vane and hotwire probes.

Magnetic protective cover
Hands-free

**Datalogger - 10 (class 200)**
Software for data recording and processing.

**Wireless connection**
*(class 200)*

Supplied in a transport case

**Supplied with** **Calibration certificate**

| | LV101 | LV107 | LV110 | VT100 | VT200 | VT200F | VT200H | VT200L | VT200P | VT200TP | VT200TF |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | ● | ● | ● | ● | ● | ● | ● |
| | | | | | ● | ● | ● | ● | ● | ● | ● |
| | | | ● | | ● | ● | ● | ● | ● | ● | ● |
| | | | | | ● | ● | ● | ● | ● | ● | ● |
| | ● | | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | ● | | | | ● | ● | ● | ● | ● | ● | ● |
| | | | | | ● | ● | ● | ● | ● | ● | ● |
| | | ● | | | ● | ● | ● | ● | ● | ● | ● |
| | | | | | ● | ● | ● | ● | ● | ● | ● |
| | | | ● | | ● | ● | ● | ● | ● | ● | ● |
| | | | | | ● | ● | ● | ● | ● | ● | ● |
| | | | | | ● | ● | ● | ● | ● | ● | ● |
| | | | | | ● | ● | ● | ● | ● | ● | ● |
| | | | | | ● | ● | ● | ● | ● | ● | ● |

# Manometers

Pressure, selection of units, Self-calibration, hold, min., max., adjustable automatic shut-off and backlight.

## MP100 & MP101

### From 0 to ±1000 Pa
### From 0 to ±1000 mmH$_2$O

## MP105/112

### From 0 to ±500/±2000 mbar

## MP115

### For atmospheric pressure

### From 700 to 1100 mbar

**NEW**

## MP120

### From 0 to ±1000 Pa

- Pressure
- Velocity and airflow calculation
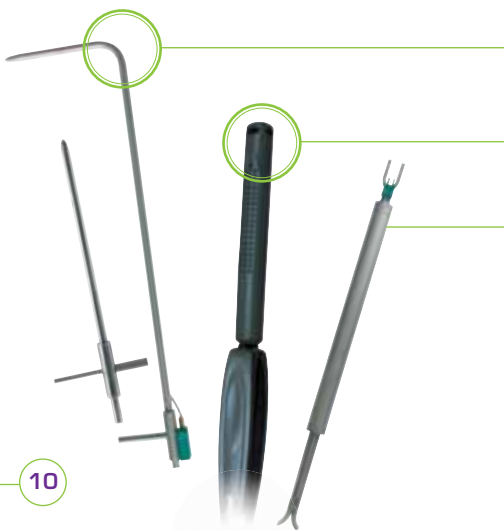- Velocity calculation with air pressure compensation.

KIMO

MP 100

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## Class 100 & 200 accessories

## Probes

### Pitot Tubes, Thermocouple, CO/temp.

**Pitot Tubes «L type»**
- With or without temperature compensation
- Several diameters and lengths available

**CO/Temperature probe**
- From 0 to 1000 ppm
- PT 100 from -20 to +80°C

**Pitot Tube «S type»**
- Built-in thermocouple temperature probe
- **TIG welding and stainless steel sheath**.

Wired

*Large choice of temperature probes in option*

● Supplied with  ● Optional

| | |
|---|---|
| *Interchangeable PRESSURE Modules* | 0 to ± 500 Pa |
| | 0 to ± 2500 Pa |
| | 0 to ± 10 000 Pa |
| | 0 to ± 500 mBar |
| | 0 to ± 2000 mBar |
| *Current/voltage module* | 0 to 2,5 V<br>0 to 10 V<br>0 to 4-20 mA |
| *Module with 4 THERMOCOUPLE inputs* | K : -200 to +1300°C<br>J : -100 to +750°C<br>T : -200 to +400°C |
| *Thermocouple K, J, T probes* | (Measuring range according to model) |
| *CO/Temperature probe* | -20 to +80°C<br>0 to 500 ppm |
| *Pitot Tubes 'L' and 'S'*<br>Diameter : from Ø3 to Ø14 mm<br>Length : from 100 mm to 3 m | 2 to 100 m/s<br>0 to 99999 m³/h |
| *Airflow DEBIMO blades* | 4 to 100 m/s<br>0 to 99999 m³/h |

X5

10

## Class 200

Pressure, Self-calibration automatic or manual, CO maximum, pressure integration, average (pt per pt, automatic and automatic pt per pt), velocity, airflow. Selection of units, hold, min., max., standard deviation, audible alarm (2 Setpoints).

**8,000 measuring points.**

### MP200

**From 0 to ±10 000 Pa**
**Velocity**
**Airflow**



### Interchangeable modules

- **5 pressure modules :**
  **5 measuring ranges available**
  - 0 to ±500 Pa*
  - 0 to ±2500 Pa
  - 0 to ±10 000 Pa
  - 0 to ±500 mBar
  - 0 to ±2000 mBar
- Specially designed for low pressure measurement in clean room environment*.

- 1 current voltage module
- 1 thermocouple module

### Pitot Tubes

**With or without temperature compensation**
- 'L' or 'S' Types
- Straigth or bent
- Ø 3 to Ø 14 mm
- Length : from 100 mm to 3 m

### Air quality

**CO/Temperature probe**
- Audible alarm (2 Setpoints)
- From 0 to 500 ppm

*Velocity and Airflow direct in ducts :*
*Debimo blades*
from 100 mm to 3 m length

Magnetic protective cover
Hands-free

**Datalogger - 10 (class 200)**
Software for data recording and processing.

**Wireless connection**
*(class 200)*

**Calibration certificate**
Supplied with

Supplied in a transport case

| | MP100 0 to ±1000 Pa** | MP101 0 to ±1000 mmH₂O** | MP105 0 to ±500 mbar** | MP112 0 to ±2000 mbar** | MP120 0 to ±1000 Pa** | MP200P | MP200M | MP200G | MP200H | MP200HP |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ● | ● | ● | ● | ● |
| | | | | | | ● | ● | ● | ● | ● |
| | | | | | | ● | ● | ● | ● | ● |
| | | | | | | ● | ● | ● | ● | ● |
| | | | | | | ● | ● | ● | ● | ● |
| | | | | | | ● | ● | ● | ● | ● |
| | | | | | | ● | ● | ● | ● | ● |
| | | | | | | ● | ● | ● | ● | ● |
| | | | | | | ● | ● | ● | ● | ● |
| | ● | ● | ● | ● | ●° | ●* | ●* | ●* | ●* | ●* |
| | ● | ● | ● | ● | ● | ●* | ●* | ●* | ●* | ●* |

°Built-in velocity calculation (and with Pitot tube 'L')

*Built-in velocity and airflow calculation
**Integrated pressure sensor

CO₂, temperature, selection of units, hold, max., min., adjustable automatic shut-off and backlight.

### SERVICE

### AGRONOMY

### WINE MAKING

## AQ100

### CO₂
### Temperature

• Fixed probe

# Tachometer

## Class 100

### Rpm indicator

### Contact/Optical

• Fixed probe

• Selection of units
• Function, Hold, max., min.
• Selection of contact or optical
• Adjustable auto-extinction and backlight

● Supplied with  ● Optional

| | | CT1000 | CT100C |
|---|---|---|---|
| Optical probe | From 60 to 60000 rpm | ● | ● |
| ETC adaptor | From 30 to 20000 rpm | ● | ● |

**Supplied with** Calibration certificate

Supplied in a transport case

CO, $CO_2$, temperature, Delta T, humidity, selection of units, hold, max., min., audible alarm (2 setpoints),...

**8,000 measuring points.**

## AQ200
### CO/$CO_2$
### Temperature/ Hygrometry
### Air pressure

## Air quality probes

**CO/Temperature probe**
• From 0 to 500 ppm / From -20 to +80°C

**$CO_2$/Temperature probe**
• From 0 to 5000 ppm / From -20 to +80°C

**$CO_2$/Temp./Hygrometry probe**
• From 0 to 5000 ppm / From -20 to +80°C / From 5 to 95 %RH

## Interchangeable modules

**Climatic conditions**
• Hygro/Temp./Air pressure

**Module with 4 Thermocouple inputs**
**Current/voltage module**

**NEW**

Omnidirectional probe

## Wireless probes

**Wireless connection**

PT100 temperature probes

## Accessories

**Magnetic protective cover**
Hands-free

**Datalogger - 10 (class 200)**
Software for data recording and processing.

**Wireless connection**

*(class 200)*

Supplied in a transport case

**Calibration certificate**

*Supplied with*

● Supplied with   ● Optional

| | | AQ100 | AQ200 | AQ200P | AQ200S | AQ200-O |
|---|---|---|---|---|---|---|
| *Climatic conditions module* | 5 to 95%RH -20 to +80°C 800 to 1100hPa | | ● | ● | ● | ● |
| *Current/voltage module* | 0 to 2,5 V 0 to 10 V 0 to 4-20 mA | | ● | ● | ● | ● |
| *Module with 4 THERMOCOUPLE inputs* | K : -200 to +1300°C J : -100 to +750°C T : -200 to +400°C | | ● | ● | ● | ● |
| *CO/Temperature probe* | 0 to 500 ppm -20 to + 80°C | | ● | ● | ● | ● |
| *$CO_2$/Temperature probe* | 0 to 5000 ppm -20 to +80°C | ● | ● | ● | ● | ● |
| *$CO_2$/Temp./Hygro probe* | 0 to 5000 ppm -20 to 80°C 5 to 95%RH | | ● | ● | ● | ● |
| *PT100 temperature probes\** | -50 to +250°C (according to model) | | ● | ● | ● | ● |
| *PT100 temperature probes-wireless-\** | | | ● | ● | ● | ● |
| *Thermocouple K, J, T probes\** | (Measuring range according to model) | | ● | ● | ● | ● |
| *Omnidirectional probe air velocity/temperature/hygrometry* | 0 to 5m/s -20 to 80°C 5 to 95%RH | | ● | ● | ● | ● |

*Large choice of temperature probes in option

**Customize your AMI300 according to your needs.**

● Supplied with  ● Optional

| | | AMI300 | AMI300CLA | AMI300STD | AMI300PRO | AMI300CRF | AMI300SRF | AMI300PRF |
|---|---|:--:|:--:|:--:|:--:|:--:|:--:|:--:|
| Interchangeable PRESSURE modules | 0 to ±500 Pa | ○ | ○ | ○ | ● | ○ | ○ | ● |
| | 0 to ±2500 Pa | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | 0 to ±10000 Pa | ○ | ○ | ● | ○ | ○ | ● | ○ |
| | 0 to ±500 mBar | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | 0 to ±2000 mBar | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Current/voltage module | 0 to 2,5 V / 0 to 10 V / 0 to 4-20 mA | ● | ● | ● | ● | ● | ● | ● |
| Module with 4 THERMOCOUPLE inputs | K : -200 to +1300°C / J : -100 to +750°C / T : -200 to +400°C | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Climatic conditions module | 5 to 95 %RH / -20 to +80°C / 800 to +1100hPa | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Pitot Tubes 'L' and 'S' (Diameter : from Ø3 to Ø14 mm, Length from 100 mm to 3 m) | 2 to 100m/s | ○ | ○ | ● | ○ | ● | ○ | ● |
| | 0 to 99999 m³/h | ○ | ○ | ○ | ● | ○ | ○ | ● |
| Optical tachometry probe | 60 to 10000 rpm | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | 1001 to 60000 rpm | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Contact tachometry probe | 30 to 20000 rpm | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Standard hotwire | 0,15 to 30 m/s | ○ | ● | ○ | ○ | ● | ● | ○ |
| | -20 to +80°C | | | | | | | |
| Telescopic gooseneck-shaped hotwire | 0 to 99999 m³/h | ○ | ○ | ○ | ● | ○ | ○ | ● |
| Ø14 mm vane | 0,8 to 25m/s | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| | -20 to +80°C | | | | | | | |
| Wired telescopic Ø14 mm vane | 0 to 99999 m³/h | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Ø70 mm vane | 0,3 to 35m/s | ○ | ● | ○ | ○ | ○ | ○ | ○ |
| | -20 to +80°C | | | | | | | |
| Wireless Ø70 mm vane | 0 to 99999 m³/h | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Ø100 mm vane | 0,25 to 35m/s | ○ | ○ | ● | ● | ○ | ○ | ○ |
| | -20 to +80°C | | | | | | | |
| Wireless Ø100 mm vane | 0 to 99999 m³/h | ○ | ○ | ○ | ○ | ○ | ● | ● |
| Standard hygrometry probe | 3 to 98 %RH | ○ | ● | ○ | ○ | ○ | ○ | ○ |
| | -50 to +80°Ctd | | | | | | | |
| Wireless standard hygrometry probe | -20 to +80°C | ○ | ○ | ○ | ● | ● | ○ | ○ |
| High temperature hygrometry probe | 3 to 98 %RH | ○ | ○ | ○ | ● | ○ | ○ | ○ |
| Wireless high temperature hygrometry probe | -50 to +80°Ctd / -40 to +180°C | ○ | ○ | ○ | ○ | ○ | ○ | ● |
| PT100 temperature probe | -50 to +250°C (according to model) | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Wireless PT100 temperature probe | | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Thermocouple K, J, T probes | (Measuring range according to model) | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| CO/Temperature probe | 0 to 500 ppm / -20 to +80°C | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| CO₂/Temperature probe | 0 to 5000 ppm / -20 to +80°C | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| CO₂/Temp./Hygro probe | 0 to 5000 ppm / -20 to 80°C / 5 to 95%RH | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Multifunction probe Velocity/Temperature/Hygrometry | 0,15 to 30 m/s / -20 to 80°C / 5 to 95%RH | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Omnidirectional probe air velocity/temperature/hygrometry | 0 to 5m/s / -20 to 80°C / 5 to 95%RH | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

Wired ◉  Wireless ((◉))

**Calibration certificate** in alu transport case.  Supplied with

# AMI300

**Pressure**
**Temperature/Hygrometry**
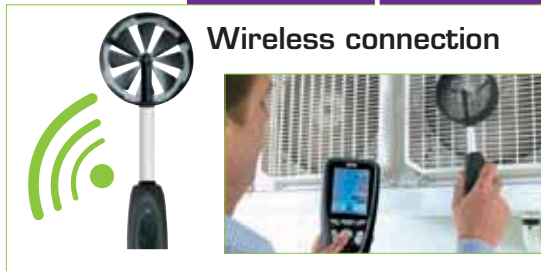**Velocity/Airflow**
**Air quality**
**Tachometry**

**Wireless** **Wired**

**Up to 12,000 measuring points**
**Evolutive and accurate**
**Intuitive menu**
**Large color display**
**Joystick and 5 metal coated keys**

KIMO

7.6 m/s
53 Pa
20.0 °C

AMI 300

## Temperature
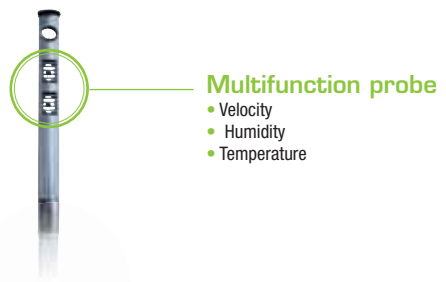
## Pressure

## Humidity

**Multifunction probe**
• Velocity
• Humidity
• Temperature

**Climatic conditions module**
• Humidity
• Temperature
• Air pressure

**Wireless communication**

## Wireless probes

**Wireless connection**

## Air quality

## Velocity and airflow

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# Gas detection

Selection of units, auto hold, max. min.,
Adjustable automatic shut-off and backlight
adjustable alarm

**NEW**

## CO detector CO100

- CO detection
- Displaying of ambient temperature
- COmax display

## MP130 Gas network sealing

- Manometer for gas network sealing
- Pressure: -200 to +200 mbar
- Sealing kit

**NEW**

**Supplied with** **Calibration certificate**

## Gas leak detector FG100

- Detection of gas such as methane ($CH_4$), LPG (isopropanol and isobutane) and others combustible gas (hydrocarbon)
- Display of the concentration of measured gas in ppm, %VOL and %LEL
- Flexible probe with semiconductor gas sensor

**NEW**

Supplied in
a transport
case

# Infrared thermometers

## KIRAY 100 - 200 - 300

Temperature control of surfaces :
burning hot, dangerous or difficult to access

From -50 to +1,850°C

Selection of units, auto hold, max. min.,
Adjustable automatic shut-off and backlight
adjustable alarm

➢ *HACCP principle*

## Thermometer TK150
### Thermocouple K, J, T

- 1 channel Thermometer
- Supplied with IP67 waterproof protective cover

*Large choice of temp. probes in option*

## HD150 Hygrometer

- Relative humidity, temperature, dew point
- Fixed probe

## Thermometers TN150/TN151
### NTC

- 1 channel Thermometer
- Supplied with IP67 waterproof protective cover

*Large choice of temp. probes in option*

## Thermometer TR150
### PT1000

- 1 channel Thermometer
- Supplied with IP67 waterproof protective cover

*Large choice of temp. probes in option*

**IP67**

### Waterproof protective cover

*Supplied with*

**Calibration certificate**

**Transport case**

● Supplied with  ● Optional

| | | TK150 | TN150 | TN151 | TR150 | HD150 |
|---|---|---|---|---|---|---|
| **Hygrometry probe** | • 5 to 95%RH<br>• -40 to +70°Ctd<br>• -20 to +70°C | | | | | ● |
| **Thermocouple K, J, T probes \*** | -50 to +250°C<br>(according to model) | ● | | | | |
| **NTC probes \*** | -40 to +120°C<br>(according to model) | | ● | | | |
| **Penetration NTC probes** | | | | ● | | |
| **PT1000 probes \*** | -50 to +250°C | | | | ● | |
| **IP67 Waterproof protective cover** | | ● | ● | ● | ● | ● |

*\*Large choice of temperature probes in option*

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Velocity and airflow in ducts, pressure, temperature. Selection of units, hold, max., min., automatic average, adjustable automatic shut-off and backlight.

## DBM610

### For airflow commissioning and balancing

**NEW**

Check air volume of your diffusers and grilles.

- Measuring range: from 40 to 3500 m³/h or from 24 to 2060 cfm
- Quick and simple hood change
- Simultaneous display of airflow and temperature
- Automatic detection of airflow direction (supply or exhaust)
- Removable measuring unit (thermo-anemo-manometer functions)
- Software for data processing on computer

## Thermo-anemo-manometer functions

- Removable measuring unit
- Measurement of airflow in duct with Pitot Tubes
- Check filters fouling with two silicone tubes

## Accessories

**Supplied with** **Calibration certificate**

**4 other hoods are available as options:**
- 720x720 mm
- 720x1320 mm
- 420x1520 mm
- 1020x1020 mm

**Supplied in a transport case**

............ **Pitot Tubes «L type»**
- With or without temperature compensation
- Several diameters and lengths available

### Datalogger - 10

Software for data recording and processing.

## DATALOGGER-10
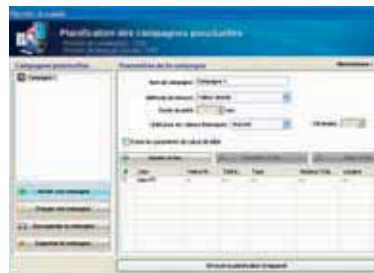
**Configure**

**Plan**

**Data process**

**Operate**

## Instruments configuration
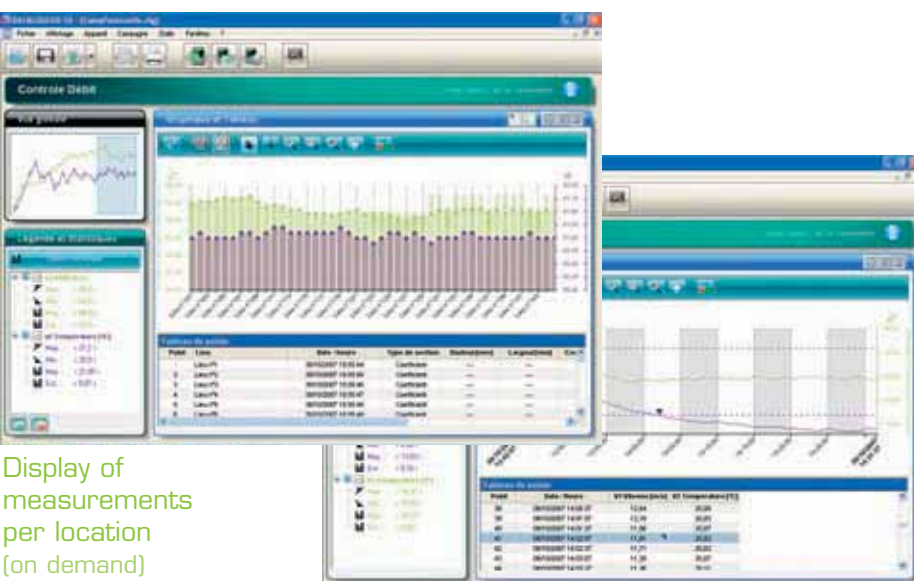
Configure your clients, sites and vent types.



## Intervention planning

Configure sites and specifications of your next measuring dataset.



## Instruments management

Record your instruments and their calibration certificates.





Display of measurements per location (on demand)

Display of measurements per period

## Dataset processing

- Customized channels

- Insert comments

- Display theoritical values and/or tolerances

- Insert legends and statistics

- Add math functions

dB,
selection of units, hold, max., min.,
adjustable automatic shut-off and backlight.

## DB200

### Sound level meter
### Integrating-averaging with storage function

#### Five different measurement modes
- Conventional sound level meter
- Conventional sound level meter with storage
- Conventional and integrating-averaging sound level meter
- Integrating-averaging sound level meter with storage
- Sound level meter «calculator» of two sound sources

#### Measured values
- Weighted sound level: L
- Equivalent continous level: Leq
- Sound exposure level: LE
- Peak pressure level: Lpk

- 30 - 130 dB
- Class 2
- X frequency weighting: A - C - Z
- Y frequency weighting: Fast - Slow - Impulse - Peak

## DB100

- 30 - 130 dB
- Frequency weighting: A
- Sound-pressure level
- Time averaged sound level

**Supplied with** **Calibration certificate**

**Supplied in a transport case**

## Class 100 & 200 accessories

### LDB200 (class 200)
Software for display data and measurement report printing

### CAL200 (class 200)
94 dB calibrator

### CTL100 (class 100)
Sound controller
90 dB at 1000 Hz

dB
selection of units, hold, max., min.,
adjustable automatic shut-off and backlight.

## DS200

**NEW**

### Individual noise dosimeter

Sound pressure level: LAF – LAS – max-min
Equivalent continuous level: LAeq – LCeq – max – min
Peak pressure level: LCpk – LZpk
Detection and peak counting: 135dB – 137dB – 140dB
Daily sound exposure level: Lex,d
Sound exposure: EA,T : en Pa²h
DOSE

**Supplied with** **Calibration certificate**

## Standards

As per following standards:
**NF EN ISO 9612 / NF S 31-084
and 2003/10/CE**

## DS300

### Individual noise dosimeter with two channel measurement

**NEW**

- Only one dynamic range extended from 100 dB : 40-140 dB
- Conventionnal and integrating-averaging sound level meter mode
- Two-channel measurement
- Audio-recording on exceeding thresholds, peaks or short LAeq

**Measured values**
- Sound pressure level: LAF – LAS – max-min
- Equivalent continuous level: LAeq – LCeq – LXeq - octave bandes 63 Hz/8 kHz
- Detection and peak counting: 135dB – 137dB – 140dB
- Daily sound exposure level: Lex,d
- Sound exposure: EA,T : en Pa²h
- DOSE

## Class 200 & 300 accessories

**D-MB**
microphone direct

**LDS300 (class 200 & 300)**
LDS300 data processing software allows
an elaborated management of data and
a presentation of results according to
the used measurement methodology.

lux, fc
selection of units, hold, max., min.,
adjustable automatic shut-off and backlight.

## Standards

As per following standards:
**NF EN 12464-1 / NF EN 12464-2 / NF EN 12193**

## LX100

- From 0.1 to 150 000 lux
- From 0.01 to 13 940 fc
- Instantaneous measurement
- Timed measurement
- Relative illuminance function
- Hold function

## LX200

### Illuminance measurement

- From 0.1 to 200 000 lux
- From 0 to 18 585 fc
- Instantaneous illuminance
- Relative illuminance
- Evolution of illuminance according to weather conditions
- Cartography of illuminance
- Uniformity
- Supplied with LLX200 software

**LLX200 (class 200)**
Operating software for data processing and printing of reports.

**Supplied in a transport case**

**Supplied with** **Calibration certificate**

# Solarimeters / Pyranometers

W/m², Wh/m²,
selection of units, hold, max., min.,
adjustable automatic shut-off and backlight.

## SL100

- From 1 W/m² to 1300 W/m²
- From 1 Wh/m² to 500 Wh/m²
- Measurement and spot check of solar power

**Calibration certificate**
*Supplied with*

Supplied in a transport case

## SL200

### Solarimeter / Pyranometer

- From 1 W/m² to 1300 W/m²
- From 1 Wh/m² to 500 Wh/m²
- Measurement and spot check of solar irrigation (instantaneous, average, time-recording)
- Calculation of energetic exposure in Wh/m²
- Storage and saving of average values of power and updating the energetic exposure calculation every minutes
- Recorded datas can be read on the display, and the graphic function allows a fast interpretation of the measure file
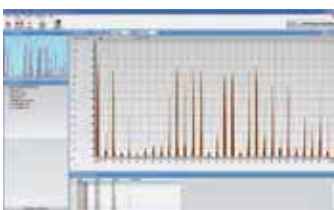
## Class 100 & 200 accessories

**LSL200 (class 200)**
LSL 200 is a configuration, recovery and data processing software of stored data in the instrument.

**Fixing kit**
For solar panels

**Tripod**
For SL100 and SL200

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