KIMO®

INSTRUMENTS

HVAC Measuring Instruments

General catalogue
Export 2012 - 2013

Pressure / Temperature / Humidity / Air velocity / Airflow / Air quality / Gas analysis / Sound level

www.kimo.fr
EUROPEAN K MANUFACTURER

Combustion

New product

Gas Analysers

KIGAZ 100/150

2 **interchangeable sensors**

Interchangeable sensors
O$_2$/ CO-H$_2$

Sensors protection
with pump auto-stop

Data measurement
print out

Protective cover for all models

KIGAZ 200

Up to
3 interchangeable **sensors**

Interchangeable sensors
O_2 / $CO-H_2$ / NO / CH_4

CO sensor protection
via solenoid valve

Data measurement
print out

Autozero directly
in the gas flue

Check of DHW (domestic hot water) 2 thermocouple channels

SMART GRAPHIC MENU

KIGAZ 300

Up to
4 interchangeable **sensors**

Interchangeable sensors
O_2 / $CO-H_2$ / NO / CH_4 / NO_2 / SO_2

Vocal help

Autozero directly
in the gas flue

CO **dilution**

Integrated water trap

High accuracy draft measurement
Airflow measurement of aspiration pump

Portable
Instruments

New generation of portable instruments

- **Interchangeable** modules
- **Wireless** and **Smart+** probes
- Joystick and metal coated keypad
- Data storage and wireless PC interface
- **Ergonomic and user-friendly**

Class 100
monofunction

Class 200
multiprobe

Class 300
multifunction

The + of class 200

Wireless probes
Wireless connection

Smart+ probes
Automatically recognized by the instrument when connected

Interchangeable modules
Several measuring ranges with one instrument

8,000 measurement points
PC interface

Modules

1. Climatic conditions
2. Thermocouple
3. Pressure
4. Current/Voltage

Air quality

AQ 100/200

CO : 0 to 500 ppm
CO_2 : 0 to 5,000 ppm
-20 to +80°C
5 to 95 %RH
800 to 1,100 hPa

Manometers

MP 100/115/130/200

-10,000 to +10,000 Pa
-2,000 to +2,000 mbar
-1,000 to +1,000 mmH_2O
CO : 0 to 500 ppm
Special gas network sealing and atmospheric pressure

Anemometers

LV 100/130 - VT 100/200

∅14, ∅70, ∅100 mm vane probes
0.15 to 30 m/s
-20 to +80°C
0 to 99,999 m³/h
Hotwire probe

Hygrometers

HD 100/200

3 to 98 %RH
-40 to +180°C
-50 to +80°C$_{td}$

HD 150

Special food industry
Waterproof cover
5 to 95 %RH
-20 to +70°C
-40 to +70°C$_{td}$

IP67

Tachometer

CT 100

Optical : 60 to 60,000 rpm
Contact : 30 to 20,000 rpm

+ Accessories

1. Data processing software
2. Protective cover
3. Aluminium transport case
4. Salt solutions
5. Soft transport case
6. Special gas network kit

AMI
Multifunction

| Temperature | Pressure | Tachometry |
| Humidity | Air velocity | Airflow |

- Storage of up to 12,000 measurement points
- Evolutive and accurate
- Wireless and Smart+ probes
- Interchangeable modules
- Large colour graphic display

Manometer	• -10,000 to +10,000 Pa, -2,000 to +2,000 mbar. • 2 to 100 m/s and 0 to 99,999 m³/h.
Thermometer	• -50 to +250°C. • K : -200 to +1,300°C, J : -100 to +750°C, T : -200 to +400°C.
Thermo-hygrometer	• 3 to 98 %RH and -40 to +180°C.
Vane thermo-anemometer ∅14, ∅70, ∅100 mm	• 0.25 to 35 m/s. • 0 to 99,999 m³/h.
Hotwire thermo-anemometer / Omnidirectional probe	• 0.15 to 30 m/s. • 0 to 99,999 m³/h.
Tachometer	• 60 to 60,000 rpm and 30 to 20,000 rpm.
Climatic conditions	• -20 to +80°C, 5 to 95 %RH and 800 to 1,100 hPa.
Multifunction	• 0.15 to 30 m/s, 5 to 95 %RH and -20 to 80°C.
Current/voltage	• 0 to 2.5 V, 0 to 10 V and 0 to 4-20 mA.
Air quality	• CO : 0 to 500 ppm, CO_2 : 0 to 5,000 ppm, -20 to +80°C and 5 to 95 %RH.

Airflow meter
& Pitot Tubes

NEW PRODUCT

A solution for airflow commissioning & balancing

DBM 610

From 40 to 3500 m³/h or 24 to 2060 cfm
Simultaneous display of airflow and temperature

Quick and simple hood change
4 other hoods are available
as options:

- 720x720 mm   - 420x1520 mm
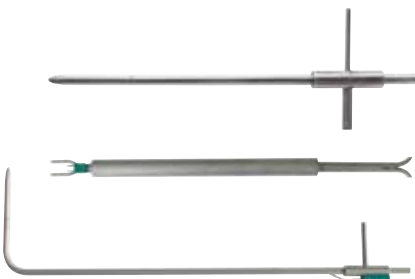- 720x1320 mm   - 1020x1020 mm

Thermo-anemo-manometer functions
with Pitot tube

Check air volume of your diffusers and vents

Pitot Tubes

With or without temperature compensation
20 sizes from 100 to 3,000 mm

Airflow blades

DEBIMO

Size from 100 to 3,000 mm

Airflow cones

K25/35/75/85/120/150

For hotwire and vane anemometers
To measure direct airflow in fans
and HVAC systems

Sound level meters
& Solarimeters

Sound level meters

DB 100/200/300

Class 1 and 2 sound level meters as per international standards
20 to 137 dB
Frequency weighting A, C, Z

Noise dosimeters

DS 200/300

For the measurement of noise exposure at workstation
Detection and peak counting:
135 dB - 137 dB - 140 dB
Daily sound exposure level: Lex,d
Data processing software

Luxmeters

LX 100/200

Light measurement
0.1 to 200,000 lux
0.01 to 18,585 fc
Data processing software

Solarimeters

CR 100 - SL 100/200

Portable or fixed installation
To control photovoltaïc and thermal installations
1 to 1,300 W/m^2

Thermometers

Class 200 - TM 200

- -200 to +1,300°C
- 2 Pt 100 inputs
- **4 thermocouple inputs**
- 8,000 measurement points

Thermocouple module
4 inputs

Class 100

TN 100/TR 100/TK 100

1 or 2 inputs for probes
NTC, Pt 100,
Thermocouple K, J, T, S
-200 to +1,760°C

Class 150

TN 150/TR 150/TK 150

**Special food industry
Waterproof cover**
1 input for probe
Thermocouple K, J, T, S
NTC, Pt 1000
-200 to +1,760°C

IP67

Infrared

KIRAY 100/200/300

Temperature control of surfaces :
burning hot, dangerous or difficult
to access
-50 to +1,850°C

Temperature
Probes

Standard or custom-made probes

- **Thermocouple, NTC, Pt 100, Pt 1000**
- **Probes with connection head**
- **Probes with cable**
- **Probes with ABS head**

Wire probes

PVC/Silicone/Teflon®/ Glass silk cable
Stainless steel hose
Wire mounting : 2, 3, 4 wires
(single pair or multipair)

Connection head

Alu/Noryl/Stainless steel head
Stainless steel, heat resisting steel
or mineral insulated sheath, Alard
coating…
Single pair or multipair

ABS head

Duct mount, remote or ambient probe
Pt 100, 0-10 V, 4-20 mA

Accessories

- Converters/transmitters
- Thermowell
- Thermocouple connectors
- Brackets and support wall fixing

- Adjustable ring
- PVC, silicone, Teflon® cable
- Stainless steel hose
  (with or without shielding)

Sensors
Transmitters

Industry, service, food industry

- **For air processing**
- **DIP switch and software configuration**
- **Power supply : 18-30 Vdc, 24 Vac/Vdc or 230/115 Vac**
- **Outputs : 4-20 mA or 0-10 V**

Monostats

PST/HST/TST

1 RCR relay
-500/+1,000 Pa to
-1000/+2,000 mbar
0 to 100 %RH
-100 to +400°C

Class 50

CP 50/HM 50/TM 50

-5,000 to +10,000 Pa
0 to 100 %RH
-20 to +110°C

Class 100

CP100/TH100/TG100/CTV100

0/+100 Pa to -1,000/+2,000 mbar
0 to 100 %RH
-50 to +400°C
0 to 30 m/s

Class 200

Sensors

CTV 210/TH 200/CP 200

Configuration via software or keypad
Advanced calculation functions
RS232 output
0-1 m/s to 0-30 m/s
0 to 100 %RH
-40 to +180°C
0/+100 Pa to -2,000/+2,000 mbar

SQR2 option
Connected to DEBIMO measuring
blades, with SQR2 function, CP200 can
control air velocity and airflow in a duct,
from differential pressure.

Class 300

Sensors

TH 300/CP 300/CTV 310

0/+10 Pa to -10,000/+10,000 Pa
0-1 m/s to 0-30 m/s
0 to 100 %RH
-40 to +180°C

Resolution
0,1 Pa

MODBUS

system

SQR2 option
Connected to DEBIMO measuring
blades, with SQR2 function, CP300
can control air velocity and airflow in a
duct, from differential pressure.

The + of class 300

- **Configuration via keypad, remote control or software**
- **Interchangeable measurement sensors**
- **Advanced calculation functions**
- **Display 4 parameters simultaneously**
- **RS232 and RS485 communication (Modbus system)**
- **Output : 4-20 mA or 0-10 V**

Displays
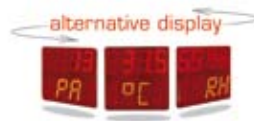
Large display

ATT 300

Work with any current or voltage input
of any transmitter : pressure, humidity,
temperature, airflow, air velocity...

Multi-channel

Flush-mount ATE 300

Display 3 parameters
Can be flush-mounted or wall
mounted

alternative display

Flush-mount

alternative display

Pressure transmitter

CPE 300

Special for clean room
Front calibration
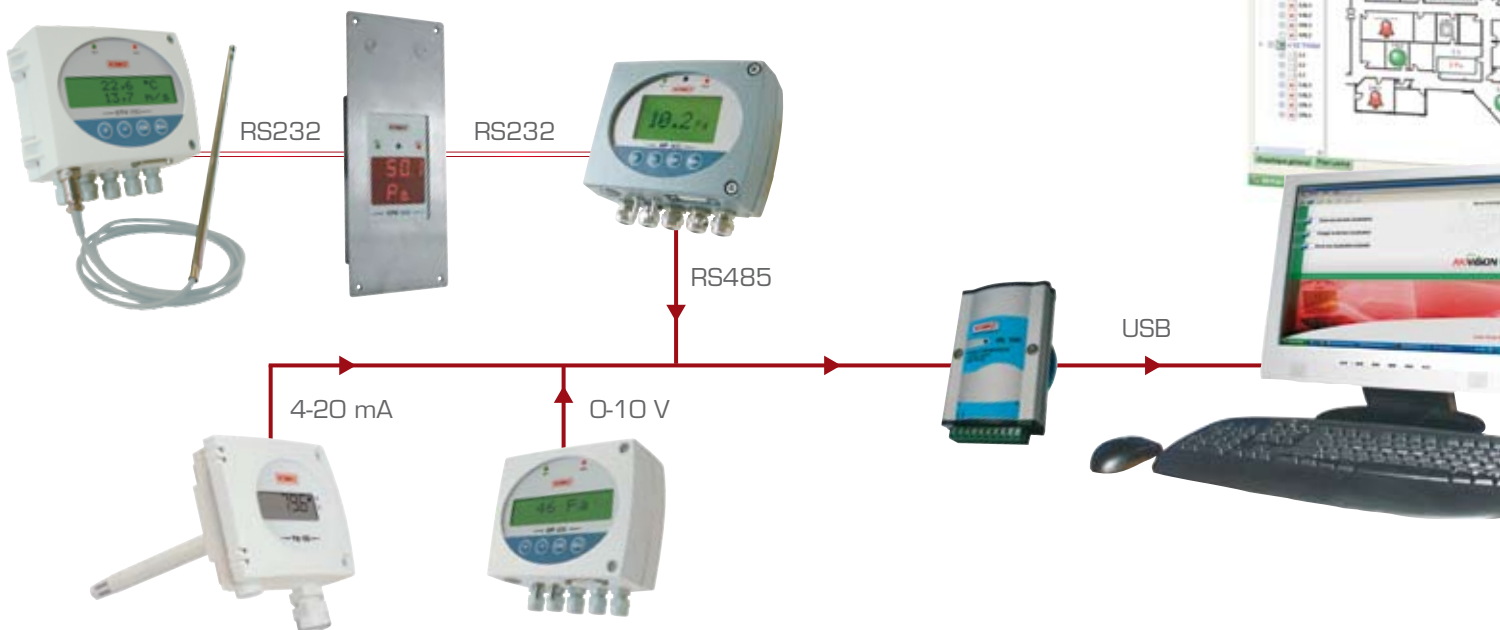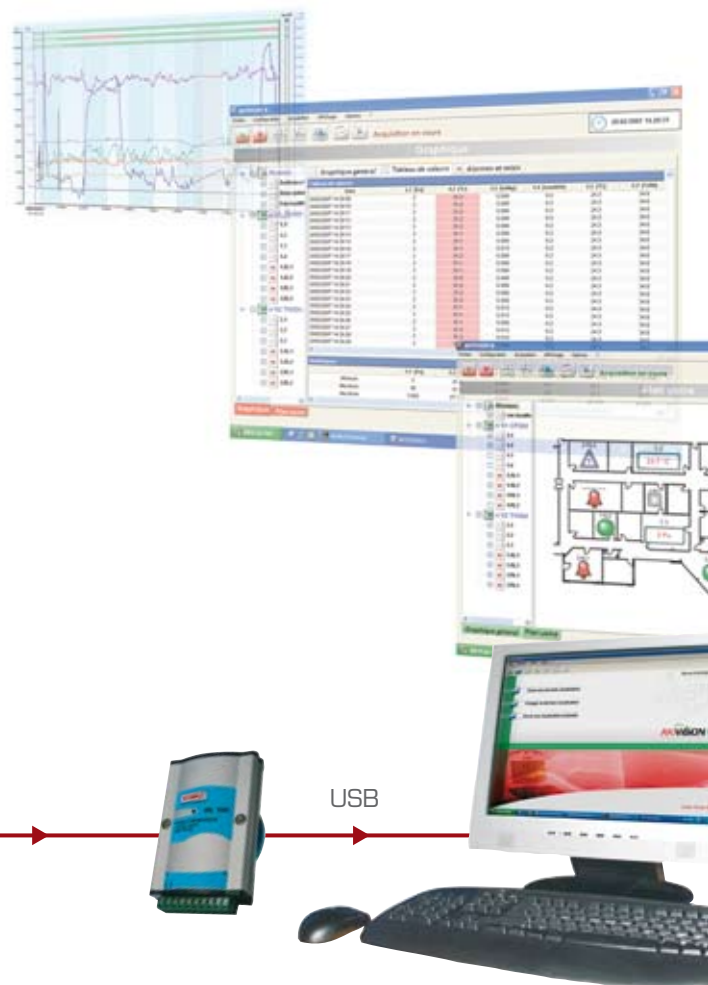**RS485**
0/+10 Pa to -1,000/+1,000 Pa

Data acquisition system

Akivision / Akivision 21CFR

CONFIGURE / DISPLAY / PROCESS / EXPORT DATA

Easy setup, efficient monitoring of air movement condition, clean and cold rooms, test benches...

RS232   RS232

RS485

USB

4-20 mA   0-10 V

New product

Wireless
Dataloggers

IP65
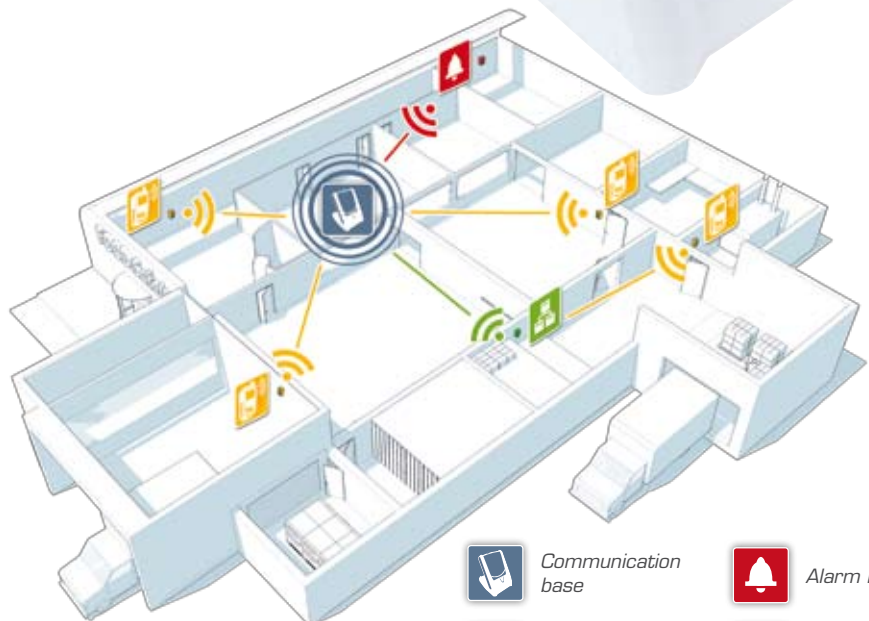
1 or 2-line display
or without display

KISTOCK RF

- Measuring, recording and data processing
- Remote configuration
- Storage of up to 20,000 measurement points
- Up to 100 dataloggers in network

KIMO exclusivity

Pressure datalogger
KP 110-RF / KP 111-RF
-1,000 to +1,000 Pa
-10,000 to +10,000 Pa

Communication base

Alarm box

Wireless datalogger

Network extender

Class 100

KT 110-RF/KT 150-RF/KP 110-RF

Up to 1 input for external probe
-40 to +70°C
0 to 20 mA / 0 to 10 V
-1,000 Pa to +1,000 Pa
-10,000 Pa to +10,000 Pa

Class 200

KH 210-RF / KTU 210-RF

Up to 2 inputs for external probes
Standard or remote probe
-40 to +180°C / 0 to 100 %RH
0 to 20 mA / 0 to 10 V
0 to 20 A / 0 to 600 A

Class 300

KTR 310-RF / KTT 310-RF

Up to 2 inputs for external probes
Pt 100 remote probe or
Thermocouple K, J, T, S
-200 to +1,760°C
0 to 20 mA / 0 to 10 V

Data processing software

KILOG RF

Configure
Measure/record
Download
Process/save
Real-time monitoring
Up to 100 dataloggers in network

Accessories

1. Large choice of temperature
   and hygrometry probes

2. Data collector
   for mobile data transfer

3. Communication base

4. Alarm box

5. Ammeter clamps

Dataloggers

New product

IP65

1 or 2-line display or without display

KISTOCK

- Measuring, recording and data processing
- Measurement of 1 to 5 parameters simultaneously
- Storage of up to 100,000 measurement points
- User-friendly configuration with KILOG software
- With or without 1 or 2-line display

HVAC

KH 110/210 - KT 110/210
KTT 310

Up to 4 inputs for external probes
NTC or K, J, T thermocouple
-200 to +1,000°C
5 to 95 %RH
0 to 10,000 lux

Laboratory

KTH 350 - KTR 350

Up to 2 inputs for external probes
Pt 100 external probes
-100 to +400°C
0 to 100 %RH

Food industry

KT 150/250 - KH 250

KT 150 - KT 250
EN 12830

Up to 4 inputs for external probes
-40 to +120°C
5 to 95 %RH
0 to 10,000 lux

KT 20 G, L, T
-40 to +125°C
Memory: 8,192 points

Data processing software

KILOG / KILOG 21CFR

Configuration, data download and data processing

Manometers

Liquid column manometers

- Inclined or vertical
- Slight variations measurement in differential pressure of air or neutral gases
- Air treatment industry, clean rooms...

Vertical

0-100 mmH$_2$O to 0-2.6 bar
Units : mbar, Pa, DaPa...

Inclined

0-5 to 0-80 mmH$_2$O
Units : Pa, DaPa...

ECM

0-10 to 300 mmH$_2$O
Manual adjustable setpoints

Accessories

To fit any installation with proper connections :

- Liquid for manometer

- Tubes, junctions

- Pressure connections, wall-crossing connection...

Distributed by:

www.kimo.fr

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afaq
ISO 9001
Qualité
AFNOR CERTIFICATION