



INSTRUMENTS

HVAC Measuring Instruments

General catalogue
Export 2012 - 2013

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

New product



KIGAZ 100/150

2 interchangeable sensors

Interchangeable sensors
 $O_2 / CO-H_2$



Data measurement
print out



Sensors protection
with pump auto-stop



*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

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*

SMART
GRAPHIC
MENU



Portable Instruments

New generation of portable instruments

- Interchangeable modules
- Wireless and S



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
CO₂ : 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 mmH₂O
CO : 0 to 500 ppm
Special gas network sealing and atmospheric pressure



Anemometers

LV 100/130 - VT 100/200

Ø14, Ø70, Ø100 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}



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 Ø14, Ø70, Ø100 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, CO₂ : 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

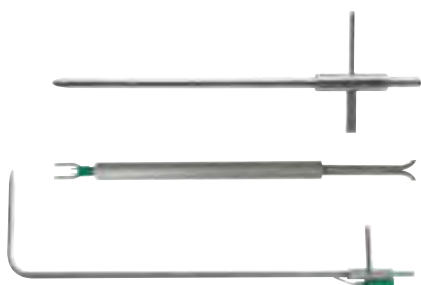


Check air volume of your
diffusers and vents



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 photovoltaic and thermal installations

1 to 1,300 W/m²



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



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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



Infrared

KIRAY 100/200/300

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



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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



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



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

(M



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





Flush-mount

Pressure transmitter

CPE 300

Special for clean room
Front calibration
RS485

0/+10 Pa to -1,000/+1,000 Pa

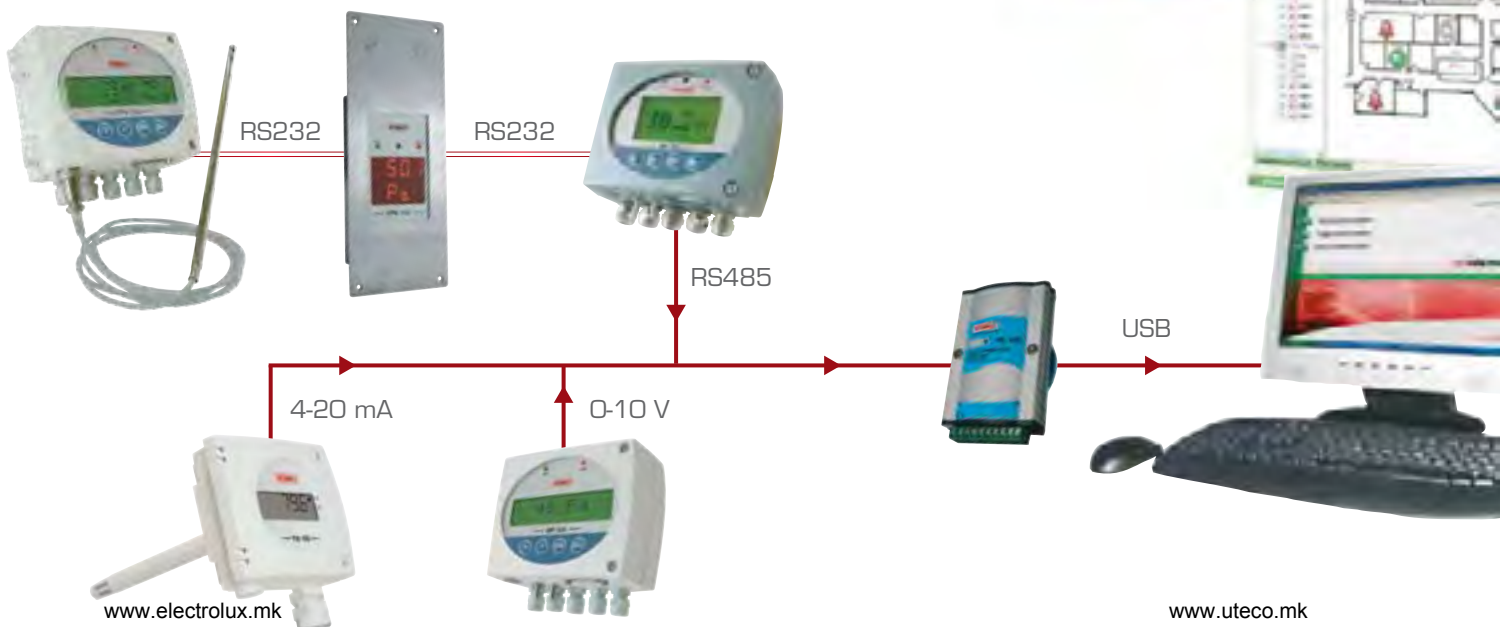


Data acquisition system

Akivision / Akivision 21CFR

CONFIGURE / DISPLAY / PROCESS / EXPORT DATA

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



New product

Dataloggers



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

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New product

Dataloggers



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

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 mmH₂O to 0-2.6 bar
Units : mbar, Pa, DaPa...



Inclined

0-5 to 0-80 mmH₂O
Units : Pa, DaPa...



ECM

0-10 to 300 mmH₂O
Manual adjustable setpoints

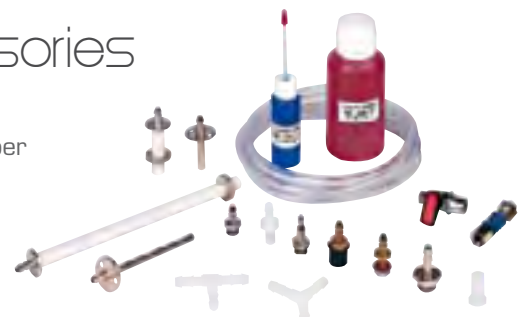
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Accessories

To fit any installation with proper connections :

- Liquid for manometer
- Tubes, junctions
- Pressure connections, wall-crossing connection...



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