



General catalogue

Export 2011-2012

Pressure • Temperature • Humidity • Air velocity • Airflow • Air quality • Tachometry • Sound level



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
CO₂ : 0 to 5,000 ppm
-20 to +80°C
5 to 95 %RH
800 to 1,100 hPa



Manometers

MP 100/130/200

-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



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



AMI Multifunction

Temperature
Humidity
Pressure
Air velocity
Tachometry
Airflow



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



Accessories



1



2



3



4



5



6

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

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.



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



Air velocity & Airflow

Pitot tubes & Flowmeter

- Control and measurement of airflow dynamic pressure
- Control of airflow for balancing and commissioning

Portable flowmeter

DBM 700

To check airflow on any type of grilles and large diffusers

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 2 sound level meter as per international standards
30 to 130 dB
Frequency weighting A, C, Z



Solarimeters

CR 100 - SL 100/200

Portable or fixed installation
To control photovoltaic and thermal installations
1 to 1,300 W/m²



Luxmeters

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



Moisture meter

For moisture level measurement of woodwork, walls and floors



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



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-end 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



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

CP50/HM50/TM50

-5,000 to +10,000 Pa
0 to 100 %RH
-20 to +80°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

CTV200/TH200/CP200

Configuration via software or keypad

Advanced calculation functions

RS232 output

0-1 m/s to 0-20 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

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



Flush-mount

Pressure transmitter

CPE 300

Special clean room
Front calibration
RS485

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

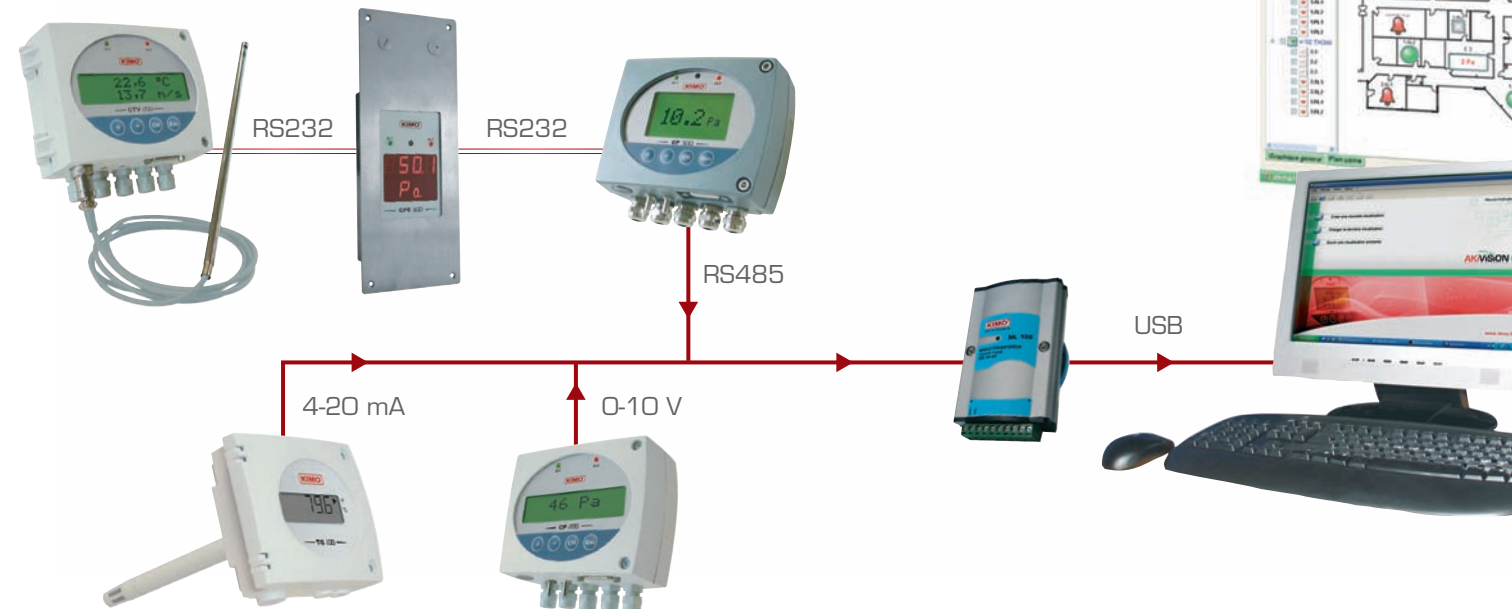


Data acquisition system

Akivision / Akivision 21CFR

CONFIGURE / DISPLAY / PROCESS / EXPORT DATA

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



Dataloggers



1 or 2-line display
or without display

KISTOCK

- Measuring, recording and data processing
- Measurement of 1 to 5 parameters simultaneously
- Storage 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...



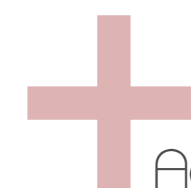
ECM

0-10 to 300 mmH₂O
Manual adjustable setpoints



Inclined

0-5 to 0-80 mmH₂O
Units : Pa, DaPa...



Accessories

To fit any installation with proper
connections :

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



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