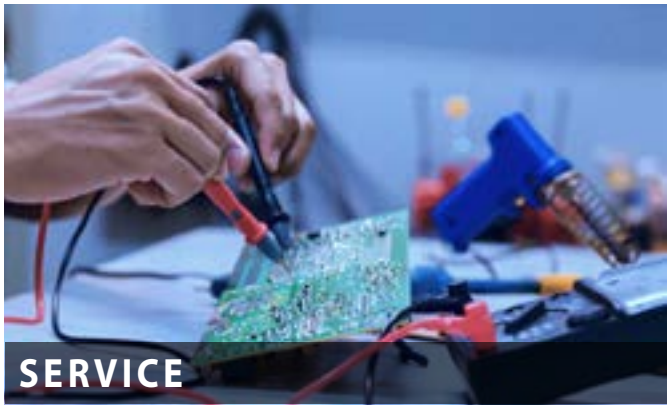
MEASURE it ...

INDUSTRIE AUTOMATION GRAZ

PRODUCTS
2026

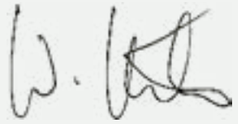


WWW.IAG.CO.AT

MEASURE it ...

For 30 years we have been helping our customers in the field of process, air conditioning and environmental technology with innovative measurement and monitoring solutions.

We know how to measure physical parameters such as humidity, temperature, flow, pressure, turbidity / consistency, particles / aerosols and gas components to optimize your processes in terms of efficiency, safety and environmental impact. Our customers work in a wide variety of industries, such as automotive, paper, chemicals, energy and power plants, steel, food, life sciences, oil and gas as well as water and wastewater.



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Request consulting, engineering, training, repair or calibration services from us.

CONTENT

INDIGO500 SERIE

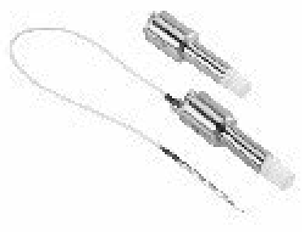
Transmitter

- Universal transmitter for Vaisala Indigo compatible probes
- WLAN interface for configuration and temporary use
- Operating temperature: –40 … +60 ° C, with display –20 … +60 ° C
- Touchscreen-Display
- metal housing with IP66 protection class IP66 and NEMA 4
- 24 V supply voltage

INTELLIGENT PROBES

Humidity- and Temperature-Probes with digital Modbus RTU-communication

- HMP3 for general-purpose probes with interchangeable sensor -40°C … +120°C
- HMP4 for high-pressure applications -70°C … +180°C
- HMP5 for high temperature -70°C … +180°C
- HMP7 for constant high humidity -70°C … +180°C
- HMP8 for pressurized applications -70°C … +180°C
- HMP9 for rapidly changing environments -40°C … +120°C
- TMP1 for demanding temperature measurements -70°C … +180°C
- Plug & Play compatible with Indigo series



HPP272

Hydrogenperoxideprobe with humidity and temperature

- Excellent long-term stability
- Measurement temperature range 0…100 % rF, +5 … +50 °C
- Corrosion-resistant stainless steel housing, IP65
- Compatible with the Indigo Transmitter
- Traceable calibration certificate
- Standalone probe with digital Modbus RTU over RS-485 or 2 analog outputs
- for bio-decontamination

INDIGO200 SERIES/INDIGO300 SERIES

Transmitter

- Compact host device for Vaisala Indigo compatible probes
- Configurable host device for intelligent probes
- Indigo 300: Robust design for industrial use
- Flexible probe mounting
- Model Indigo 201: 3 analog outputs (mA or V)
- Indigo 202 model: RS485 with Modbus RTU

HMT370

Intrinsically Safe Humidity and Temperature Transmitters for explosive environments

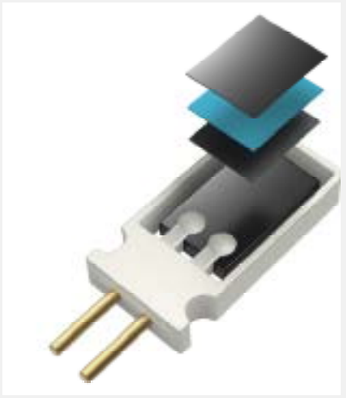
- HMP371 for wall mounting
- HMP373 for confined spaces
- HMP374 for high pressure
- HMP375 for high temperature
- HMP377 for high humidites
- HMP378 for pressurized pipelines

HMT310

Humidity- and Temperaturetransmitter for demanding industrial applications

- small size, easy to integrate
- full measurement 0…100 % RH
- Temperature range up to +180°C
- Insensitive to dust and most chemicals
- NIST traceable calibration (certificate included)

HUMICAP TECHNOLOGY



The HUMICAP sensor is a thin-film polymer capacitive sensor consisting of a substrate on which a thin polymer film is deposited between two conductive electrodes. The sensor surface is coated with a porous metal electrode to protect it from contamination and condensation. The dielectric properties of the polymer film depend on the amount of water absorbed. These properties change as the relative humidity around the sensor changes.

HMT120/130

Humidity- and Temperaturetransmitter for Cleanroom-Applications

- Easy maintenance on site through interchangeable probe
- Wall-mounted or with a remote probe
- Enclosure IP65
- Resistant to dust and most chemicals
- Suitable for cleanrooms and demanding HVAC and light industrial applications

HMP60/110

Humidity and Temperature probe in miniature format

- ±1.5 %RH measurement accuracy
- Low power consumption
- Measurement range: 0 … 100 % RH; -40 … +80 °C
- IP65 metal housing
- Optional RS-485 digital output supports Modbus RTU
- Optional dew point calculation

OPT100

DGA Monitor for Power transformers

- Gases H2, CO, CO2, CH4, C2H6, C2H4, C2H2, H2O
- IP66 housing
- Unique auto-calibration eliminates long-term drifts
- Continuous real-time monitoring
- Browser-based user interface
- Installation and commissioning in less than two hours

MHT410

Moisture-, Hydrogen- and Temperature Transmitter

- Monitors health of the transformer in real time
- Measures moisture and hydrogen directly in representative oil
- Real-time warning on transformer faults
- Unique probe design, robust and easy to install
- Housing Classification IP66

MMP8

Measuring probe for oil moisture

- Continuous online measurement of oil moisture and temperature
- Temperature measuring range –40 … +180 °C
- Measurement accuracy up to ±0.01 aw(±1% rS)
- Vaisala HUMICAPâ Sensor - proven for more than 15 years in moisture measurement in oil
- Modbus RTU over RS-485
- Compatible with Indigo transmitters and PC software Insight

MMT310

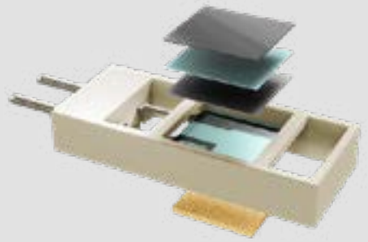
Moisture and Temperature Transmitter Series for Oil

- Continuous online measurement of moisture in oil
- Installation through ball valve, no need to shut down the process
- Proven Vaisala HUMICAP® sensor
- Transmission over LAN or WLAN
- Integrated data logging, with over four years of measurement history
- Traceable calibration to national standards

MMT162

Compact Moisture in Oil and Temperature Transmitter

- Continuous measurement of moisture in oil
- Excellent pressure and temperature tolerance
- Digital output RS-485 with Modbus
- Proven Vaisala HUMICAP technology
- Compact, accurate and economical



DRYCAP TECHNOLOGY

The unprecedented performance of the DRYCAP is based on two innovations: the proven capacitive thin-film polymer sensor and the auto-calibration function. The sensor's thin film polymer absorbs or releases water vapor as the ambient humidity increases or decreases. The capacitance is converted to a readable humidity value. The capacitive polymer sensor is connected to a temperature sensor and the dew point is calculated from the humidity and temperature readings.

INDIGO500 SERIES

Transmitter

- Universal transmitter for Vaisala Indigo compatible probes
- WLAN interface for configuration and temporary use
- Operating temperature: –40 … +60 ° C, with display –20 … +60 ° C
- Touchscreen-Display
- metal housing with IP66 protection class IP66 and NEMA 4
- 24 V supply voltage

INTELLIGENT PROBES

Dewpoint probes with digital modbus RTU transmitter

- DMP5 for inline measurement at high temperatures <180 ° C
- DMP6 for inline measurement at very high temperatures < 350°C
- DMP7 for remote installations in confined spaces
- DMP8 with adjustable installation depth for pressure lines (<40 bar)

DMT143(L)/DMT152

Miniature Dewpoint Transmitter for OEM Applications

- Ideal choice for industrial drying facilities
- Long-term stability even at low temperatures
- Two sensor types to cover the entire measuring range from –60 … + 60 °C T_d
- DMT152 has a measuring range of –100…+60 °C T_d
- High response speed
- Insensitive to condensation

DPT145

Multiparameter Transmitter for SF6 Gas

- Measured values: Dew point, pressure, temperature
- Calculated values: SF6 density, normalized pressure, dew point at atmospheric pressure, ppm
- Digital output RS-485 with MODBUS

DMT345/346

Dewpoint Transmitters for High Temperature Applications

- DMT345 measures humidity at temperatures up to 180 °C
- DMT346 measures humidity at temperatures up to 350 °C
- Unique auto-calibration feature
- Graphical display and keypad forconvenient operation
- Provides accurate and reliable measurement with excellent long-term stability and fast response time
- Condensation-resistant

PASVE S/HS

Hygiene Sample System

- Easy and safe installation
- Simple and error-free operation
- Max. Process conditions: 10 bar, 120 °C

454FTB/K-BAR 2000

Immersion mass flow meter for gases

- Ideal for harsh environments (dust, chemicals, wet gas)
- Inline Meter
- Highly dynamic measurements up to 325 m / s
- For measurements up to 500 ° C
- QAL1 Certified
- Single/multi-point measurement

534FT/504FTB

Inline mass flow meter for gases

- Ideal for harsh environments (dust, chemicals, wet gas)
- Measuring tube
- Highly dynamic measurements up to 11,000 Nm3 / h
- Low pressure drop (patented technology)
- Short inlet and outlet sections
- Measuring tube available in 1/2 “to 8“

THERMAL TA

Thermal flow measurement in gases

- Special design for the continuous measurement of laminar flows
- Measuring dynamics from 1: 1000 (0.2 … 200 m / s)
- Various gas curves (air, argon, etc.) stored for quick commissioning on site
- Configure on site using the easily exchangeable housing cover with display and buttons

VORTEX TECHNOLOGY

Flow rate and flow velocity measurement in wet and/or particle-laden gases, such as biogas or exhaust gas, also in accordance with TA Luft, 13th and 17th BImSchV; Flow measurement of activated sludge air, sewage gas, landfill gas and water vapour; engine intake air flow measurement on test benches; Flow measurement in climatic wind tunnels, in diluted automobile exhaust, in traffic tunnels and in nuclear reactor technology.

VORTEX VA

Vortex meter for flow measurement in gases

- Low pressure loss and high measuring dynamics with measuring range start from 0.5 m / s
- Available as immersion sensor or measuring tube
- High long-term stability, without moving parts
- Insensitive to particles and condensate
- For measurements according to TA13. and 17th BImSchV
- SIL2 and for use in Ex areas

VANE WHEEL FA

Vane anemometer for flow measurement in liquids / gases

- High response behavior and no braking effect thanks to proximity sensor as speed sensor
- Extremely robust bearings for a wide range of applications
- Optionally with direction detection for precise detection of bidirectional flow velocities
- Frequency adjustment and calibration for easy replacement of flowmeters of the same type
- Also suitable for aggressive media with temperatures up to 550 ° C

KATFLOW 100

Easy-to-use ultrasonic flow meter

- Low investment costs
- Numerous input and output options available
- PT100 inputs for heat quantity measurement
- Digital bidirectional counter
- Innovative installation assistant for user-friendly commissioning

K1L/K1P

External probe sets for ultrasonic flow meters

- Push-pull connection
- Maximum operating temperature of 120°C
- Standard applications - clear liquids and pipes
- Set of two probes
- External probes for liquid measurements in a full pipe

katronic

Non-invasive flow measurement

Precise measurements for sensitive and hard-to-reach areas

ALTIMASS

Coriolis Flow meter with high accuracy

- Type U – U-shaped, highest accuracy, temp. Up to
- Type S – straight pipe, for clean processes, temp. Up to +130 °C
- Type B – small size, low price, temp. Up to +125 °C
- Illuminated display with alarm function
- Fast response time, even for low flow rates
- Improved zero point stability
- For hygiene applications, EHEDG certificate
- Can be used for the high pressure range up to approx. 120MPa

VORTEX-DURCHFLUSSMESSER

Vortex flow meter for high temperatures

- Operating temperature up to +460 °C
- Flow meters also available with pressure compensation
- IP66 (DC), IP65 (battery operated)
- Low pressure loss due to the lack of moving parts
- Interchangeable sensor
- High repeatability
- Smart Type / Smart Communication Unit

PD FLOW METER

Flow meter with displacement principle

- No external energy is needed
- The flow rate is calculated from the number of revolutions of a rotor
- High measuring accuracy, low pressure loss
- For a wide range of applications
- High repeatability
- Also for high temperatures up to +200 °C

CARBOCAP TECHNOLOGY

The Vaisala CARBOCAP® sensor features an electrically tunable FPI filter. In addition to measuring gas absorption, the micro-machined FPI filter allows a reference measurement at a wavelength where no absorption occurs. The reference measurement compensates for possible changes in light source intensity, as well as contamination and dirt accumulation in the light path. This feature means that CARBOCAP® sensor operation is very stable over time.

INDIGO200 SERIES

Series 200 measuring CO2 probes for measurements in the volume percentage range and in the ppm range with digital Modbus RTU transmitter

- Plug-and-play probe connection for Vaisala Indigo-compatible probes
- USB connection to PC software Vaisala Insight for easy access to configuration and monitoring options
- Operating temperature: -40 … +60 °C, with display -20 … +60 °C
- LCD color display (optional: analog model without display)
- IP65 enclosure
- 24 V power supply input
- 2 configurable relays

GMP251/GMP252

CO2 probes for measurements in the volume percentage range and in the ppm range with digital Modbus RTU transducer

- Measuring range 0 … 10000 ppm CO2 and 0 … 20 % CO2
- Intelligent standalone probe with analog and digital outputs
- Wide operating temperature range from -40 … + 60 ° C
- Housing with protection class IP65
- Heated sensor head to avoid condensation
- Complete temperature and pressure compensation
- Can be connected to Indigo evaluation devices

GMP343

Carbon dioxide probe for demanding measurements

- Single-beam / bi-frequency CO_2 measurement with no moving parts
- Highest accuracy and stability
- Compensation options for temperature, pressure, humidity and oxygen
- Low power consumption and heat emission
- Designed for outdoor applications
- Compact and light

GMP231

Carbon dioxide probe for CO_2 incubators

- Sensor temperature resistant up to +180 °C
- Designed for OEM use with CO_2 incubators
- Integrated pressure and temperature measurement improves accuracy and stability
- Heated sensor head to prevent condensation
- Latest infrared CO_2 sensor technology
- Traceable 4-point CO_2 calibration

SYSTEM 400

Continuous emission monitoring

- Based on the Opsis UV / FTIR-DOAS technology
- Fast response and optimal detection of all gases
- A single system can record all gases relevant to emissions monitoring
- Built-in internet interface and web logger
- Works with a minimum of maintenance
- NO, NO_2, SO_2, H_2O, CO_2, HCl, HF, NH_3

LD500

Laser diode gas analyzer

- Represents the central unit in a laser diode gas monitoring system
- Integrated PC with LCD display
- Can accommodate up to 3 laser diode modules
- Measurement on up to 8 measuring sections possible
- Fast measuring method

O2000

Oxygen gas analyzer

- Continuous on-site oxygen measurement
- Easy installation and commissioning
- Two probes can be used per analyzer
- Galvanically isolated current and alarm outputs
- Modbus RTU communication (option)

MGP261

Multi-gas measuring probe for methane, carbon dioxide and moisture

- Measuring range: 0 … 100 Vol.-% CO_2 | 0 … 25 Vol.-% H_2O
- Accuracy: ±1 Vol.-% at 90 … 100 Vol.-% CO_2
- Temperature range: -40 … +60 °C
- Pressure range: -500 … +500 mbar
- Outputs: 3 x 4 … 20 mA | Modbus RTU
- Infrared gas measurement with automatic calibration
- Design according to IP65 protection class
- Operation with 24 VDC

DT80

Intelligent multi-purpose data logger

- 10 to 48 analog inputs
- Robust, stand-alone, low-power data logger
- Up to 10 isolated or 15 common analog inputs in many combinations
- Can be expanded to up to 960 analog inputs
- USB memory for easy data and program transfer
- 2 serial Smart Sensor connections, SDI12, Modbus
- WiFi, Ethernet
- WEB server, FTB

DT85

Intelligent multi-purpose data logger

- 18-bit standalone data logger with display
- Supports up to 48 analog inputs
- Compatible with SDI-12, Modbus, and FTP
- USB data transfer via memory stick
- Integrated web interface
- 12 V and 5 V sensor power supply
- Memory for 10 million data points
- Flexible logging interval from 10 ms

CEM20

Channel expansion module for DT80 series

- Extension of the number of channels for the DT80 / DT85 by 20 channels
- With the DT80, the number of channels increases to 300 analog inputs, with the DT85 to an incredible 960 inputs

dEX2.0 DATALOGGER SOFTWARE

Logger software for Datataker Software

- Simple representation of the measured values in tables, diagrams and graphics
- DataTaker Live: Data acquisition and monitoring from your PC, smart-phone or tablet
- USB flash drive firmware
- USB driver
- DataTaker Labview driver

GMD110

Duct humidity and temperature transmitter for demanding applications

- Incorporates the latest Vaisala CARBOCAP® technology
- Analog and Modbus RTU output options
- Traceable calibration
- ±40 ppm CO_2 accuracy

GMW80/90

Carbon dioxide, humidity, and temperature sensors for demand-controlled ventilation systems

- Measurement parameters: CO2, temperature, relative humidity
- Technology: CARBOCAP® technology
- Measurement ranges: CO2 (0–5,000 ppm), temperature (0–50 °C), relative humidity (0-95 %RH)
- Outputs: Analog outputs (4–20 mA, 0-10 V), Modbus® RTU via RS-485
- Stability: Excellent long-term stability

HMDW110

Humidity and temperature sensor series for high-precision measurements in HVAC applications

- IP65 classified humidity / temperature sensor HMW110 / 112 for wall mounting in wet areas
- Humidity and temperature sensor HMD110 / 112 for duct mounting
- Combined outdoor humidity / temperature sensor HMS110 / 112
- Accuracy of ± 2% RH

HMD62

Humidity and temperature sensors for channels

- For light industrial applications and demanding HVAC applications
- Measuring accuracy up to ± 1.5 % RH and ± 0.1 °C
- 4 … 20 mA analog output
- Insensitive to chemicals and dust
- IP66 rated housing

HMDW80/HMW90

Humidity and temperature sensor series for standard HVAC applications

- Measured variables: relative humidity, temperature
- Accuracy: ±3.0 % RH (HMDW80), ±1.7 %RH (HMW90)
- Measuring range: 0-100 % RH
- Outputs: 2-wire technology, current output (HMDW80), 2-wire technology and 3-wire technology, current output and voltage output (HMW90)
- Installation locations: Ventilation ducts, walls, wet areas, outdoor areas
- Calibration: Simple on-site calibration, replaceable sensor
- Communication: Modbus® RTU, BACnet (HMW90)

HMT120/130

Humidity and temperature sensors for clean rooms and demanding HVAC applications

- Configuration with two-wire loop supply or three-wire voltage output
- Room sensor or with cable probe
- Resistant to dust and most chemicals
- USB cable for PC connection available for maintenance purposes
- Traceable 3-point calibration
- Housing protection class IP65

TMI110

Immersion temperature transmitters for high-precision measurements in HVAC applications

- Precise temperature measurement of liquids and air
- Very fast response time of the measurement
- Traceable 1-point calibration (with certificate)
- Analog output (4 … 20 mA) and Modbus RTU output (optional)
- Installed in a thermowell for measurements in liquids

PS17

Compact pressure transmitter for basic applications

- Measuring ranges: 50/100/200/500 Pa, 1 / 2.5 / 5/10 kPa
- Robust ABS housing with IP 65 for top hat rail or wall mounting (with only 2 screws)
- Optionally with a defined measuring range or switchable between 4 measuring ranges each
- Selectable output signal 0/2 … 10 V or 0/4 … 20 mA
- Selectable attenuation of the output signal of up to 10 s

P26.2

Differential pressure transmitter for top hat rail or wall mounting

- Pressure transmitter with freely scalable measuring range: 10/50/100/250/500 Pa, 1 / 2.5 / 5/10/20/50/100 kPa
- Protected against pressure peaks and incorrect operation
- 2 adjustable limit switches enable the connection of e.g. B. fans or signal generators
- Can also be used for volume flow measurement or with the „Air meter“ option for recording air consumption

P34

Differential pressure transmitter with minimal External dimensions - ideal for installation in control cabinets

- Measuring ranges: 10/50/100/250/500 Pa, 1 / 2.5 / 5/10/20/50/100 kPa, freely scalable from 10 .. 100% within a measuring range
- Optionally with temperature analog input and internal stat. Pressure sensor for P- / T-compensated volume flow
- Optional with relay
- Volume flow configurable via k-factor, dPmax / Vmax or 20 individual values
- USB interface: via PC software (password-protected) scaling, characteristic curve shape and much more parameterizable

TRANSDUCER

Air velocity transducer for measurement in research laboratories and manufacturing processes

- Measuring range: 0.125 – 50 m / s
- Protected probe tip
- Available with probe lengths 7.5 cm, 15 cm, 22.5 cm and 30 cm
- Resistant ceramic sensor
- Wide range of measurement applications

PITOT TUBES

Pitot tubes made of stainless steel with an elliptical head shape

- Measurement of the flow velocity of air or gases in air lines and ducts
- Pitot tube for measuring the total pressure and a probe for measuring the static pressure
- High temperature resistance (up to + 800 °C)
- Large selection of lengths and pipe diameters
- Reduction of the measurement error by different flow angles

FLOWGRIDS

Volume flow differential pressure transmitter for measuring the flow in air ducts

- Für runde oder eckige Kanäle geeignet
- Passgenauer Einbau in den Kanal
- Zahlreiche Messstellen mit parallel als Gitter oder sternförmig um eine Nabe herum angeordneten Staurohren
- Höchste Genauigkeit
- Runde Staugitter sind in Edelstahl oder optional in Aluminium (150 .. 560 mm) erhältlich
- Geringe Ein- und Auslaufstrecken

JADE SMART CLOUD

Professional cloud-based service for intelligent monitoring and analysis

- Easy and secure access to high-quality measurement data
- Customizable and scalable configurations for changing applications
- Fast and effortless installation
- Developed by Vaisala's measurement technology experts
- Long product lifespan minimizes total cost of ownership
- Supported by global service and regular updates

CMS – VIEWLINC

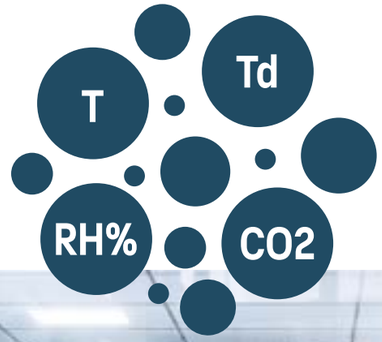
Continuous monitoring system from Vaisala for the life science sector

- Seamless monitoring even during power and network failures
- Real-time monitoring and alarms with customizable reports
- Easy installation and validation with optional IQOQ protocols
- Includes software, data loggers and measuring devices as well as services

viewLinc

CONTINUOUS MONITORING SYSTEM – CMS by Vaisala

The monitoring system includes the viewLinc Enterprise Server software along with monitoring devices that provide alarms, real-time trends, and customizable reporting. The system integrates a wide range of Vaisala data loggers, transmitters, and connectivity options to monitor temperature, relative humidity, dew point temperature, CO_2, differential pressure, door contacts, and more. It is particularly well-suited for use in both light and heavy industries as well as GxP-regulated applications. The system is easily scalable – from just a few measurement points to thousands of monitored areas. With support for eleven languages, the software is ideal for multi-site deployments and global monitoring. The viewLinc Enterprise Server simplifies the networking of data loggers by supporting a variety of connection methods, including Ethernet, Power-over-Ethernet (PoE), Wi-Fi, and Vaisala's proprietary VaiNet wireless technology.



Benefits:

- Real-time monitoring and alarming with customizable reporting
- Continuous monitoring even during power or network outages
- Easy network connectivity via Ethernet, Wi-Fi, or Vaisala's proprietary VaiNet wireless technology
- Simple installation and validation using optional IQ/OQ protocols
- Optional on-site installation and validation services for easy and compliant commissioning
- User-friendly software with on-screen guidance and built-in help
- Alarm notifications via email, SMS, voice call, and visual or audible signals
- Automatically generated email reports comply with standards such as 21 CFR Part 11 and EU GMP Annex 11
- Monitoring data can be shared with other systems via OPC UA and API

- Monitoring data can be shared with other systems via OPC UA and API

VDL200

Humidity and temperature logger

- Secure Power-over-Ethernet connection
- Seamless data thanks to integrated memory and backup battery
- Easy setup with USB-C connection and quick configuration thanks to Insight software
- Flexible user interface: monitoring, alerting and reporting
- Simplified calibration: interchangeable smart probes can be easily replaced or calibrated on site

ANP115

analog input probe

- Converter for integrating analog signals into viewLinc
- Conversion of analog current or voltage signals such as 4 ... 20 mA, 0 ... 5 V, 0 ... 10 V or door contacts into digital output signals
- Simple configuration via the Insight PC software
- Optionally available as a preconfigured door contact model or with M8 connection kit
- Analog sensor can be supplied directly via the data logger
- Can be supplied directly via the data logger
- SI-compliant calibration, traceable to ISO/IEC 17025-accredited calibration laboratories

RFL100

Wireless humidity and temperature data logger for the Vaisala monitoring system

- Secure, long-range wireless connection
- Strong signal, low power consumption
- Measuring probe HMP115 in a plastic housing can be integrated or operated by cable
- The HMP110 probe in a stainless steel housing is suitable for extreme conditions and is used as a cable probe
- TMP115 temperature probe for the temperature range from –196 °C …+90 °C

RFL100 CO_2

CO2 wireless data logger VaiNet RFL100 for monitoring incubators

- RFL100 CO2 data loggers use an external power supply with lithium battery backup (22 hours)
- GMP251 probes are characterized by a wide operating temperature range, high accuracy and superior stability
- Measurements are traceable to ISO/IEC 17025-accredited calibration laboratories

CAB100

Industrial control cabinets for data acquisition in clean rooms and industrial environments

- The delivery variants include differential pressure measurements and analogue inputs for a large number of measured variables.
- Analog inputs can be made intrinsically safe with a safety barrier or power isolator.
- PoE and/or an Ethernet multiport adapter are available as network options
- The large control cabinets have an integrated power supply with 24VDC/2.5 A.

P34

Differential pressure transmitter with minimal External dimensions – ideal for installation in control cabinets

- Measuring ranges: 10/50/100/250/500 Pa, 1 / 2.5 / 5/10/20/50/100 kPa, freely scalable from 10 … 100 % within a measuring range
- Optionally with temperature analog input and internal stat. Pressure sensor for P- / T-compensated volume flow
- Optional with relay
- Volume flow configurable via k-factor, dPmax / Vmax or 20 individual values
- USB interface: via PC software (password-protected) scaling, characteristic curve shape and much more parameterizable

PMT® 9300P POE

PMT particle counter for seamless integration into a building monitoring system

- 0.3 µm to 25 µm
- 1.2 LPM flow rate
- Long-life laser diode technology
- Measures up to 30 channels of simultaneous data
- Accurate in high particle concentration environments
- Internal HEPA filter
- User selectable channel sizes
- Stores up to 65,000 sample records for data redundancy
- Complies with ISO21501-4 and JISB9921 standards

PMT® 9301 POE/9501 POE

PMT particle counter for seamless integration into a building monitoring system

- 9301: 0.3 µm to 25 µm / 9501: 0.5 µm to 25 µm
- 0.1 CFM (2.83 LPM)
- Long-life laser diode technology
- Measures up to 30 channels with simultaneous data
- Particle concentrations up to 10,000,000 particles/ft3 at 10 % coincidence loss
- User selectable channel sizes
- Stores up to 65,000 sample records for data redundancy

PMT® 9301P POE/9501P POE

PMT particle counter for seamless integration into a building monitoring system

- 9301P: 0.3 µm to 25 µm / 9501P: 0.5 µm to 25 µm
- 0.1 CFM (2.83 LPM)
- Long-life laser diode technology
- Measures up to 30 channels of simultaneous data
- Accurate in high particle concentration environments
- Internal vacuum pump
- Internal HEPA filter
- User selectable channel sizes
- Stores up to 65,000 sample records for data redundancy

PMT® 9510 MODBUS

PMT particle counter for seamless integration into a plant monitoring system

- 0.5 µm to 25 µm
- 1.0 CFM (28.3 LPM) flow rate
- Long-life laser diode technology
- Up to 30 channels of simultaneous data
- Particle concentrations up to 1,500,000 particles/ft3 at 10 % coincidence loss
- User selectable channel sizes
- Stores up to 65,000 sample records for built-in data redundancy

PMT® REMOTE BAMS

Flexibly configurable BioAerosol monitor

- 0.5 µm to 25 µm
- 2.83 LPM ±3% flow rate
- Has a built-in gel membrane for the collection of airborne bacteria
- Can be connected to a central pump for sampling and monitoring or operated with the external, independent MV power supply

PMT® REMOTE PARTICLECOUNTER

The PMT high-performance air particle counter – Enables remote monitoring for a wide range

- Particle size range: 0.3 µm - 25 µm
- Flow rate: 28.3 l/min ±3 %
- Anodized aluminium, resistant to commonly used disinfectants
- Durable laser device with temperature control, corrosion-resistant, 10-year warranty
- Built-in high-speed blower with HEPA-filtered exhaust air

WXT530

Multisensor weather transmitter – weather data in real time

- Measures the 6 most important weather parameters such as air pressure, temperature, humidity, precipitation, wind speed and wind direction
- Analog sensors can be connected
- Compact and light
- Quick and easy to install
- Energy and cost efficient

INDIGO500MIK

Mounting kit for meteorological applications

- Outdoor mounting kit for Indigo500 series transmitters
- Supports wall and pole mounting
- Delivery is pre-assembled according to the chosen options
- The optional radiation protection DTR502 prevents temperature measurement errors
- The optional weather protection DTS1 prevents the formation of a microclimate around the heated probe

INDIGO520 UND HMP1

Indigo 520 transmitter and HMP1 probe for humidity and temperature measurement

- Universal transmitter for Vaisala Indigo compatible probes
- WLAN interface for configuration
- Operating temperature: -40 … +60 °C, with display -20 … +60 °C
- Touchscreen display
- Metal housing according to IP66 and NEMA 4
- HMP1: Humidity measurement accuracy up to ±1.0 % rH
- Temperature measurement accuracy up to ±0.2 °C
- Temperature measuring range -40 … +60 °C
- Automatic sensor cleaning for excellent chemical resistance
- Modbus RTU via RS-485

RAIN[E]

Weighing precipitation sensor with excellent accuracy

- Self-draining monolithically manufactured precision seesaw
- Dual gravimetric precipitation sensor
- High resolution 0.001 mn/m^2
- Collection area 200 (400) cm^2
- All-metal body, weatherproof and durable
- Compact and robust design (weight only 2.5 kg)

HMP155

Humidity and temperature probe for demanding outdoor measurements

- Optional heated moisture probe and chemical sensor cleaning
- Plug-and-play principle
- USB interface for maintenance purposes
- Suitable for radiation protection housings and for Stevenson-WetterHütte
- Protection against water jets according to IP66

AR500

Air quality monitoring with Fence-Line

- For measurements of volatile gases and gas leaks in industrial areas
- Can measure all relevant gas components such as NO, NO2, SO2, O3, BTX, HNO2, NO3, formaldehyde and NH3
- Non-contact DOAS measurement method
- High reliability at low costs
- MCERTS certificate - guarantees a calibration interval of one year

SM200

Dust sampler and suspended dust monitoring device

- Suitable for both automatic particulate matter measurement and for filter sample collection
- Optionally with sampling heads type PM10, PM2.5 or TSP for volume flows of 2.3 m^3 / h or 1.0 m^3 / h
- Data storage: 120 days (with 24-hour sampling)
- Aerosol concentrations from 0.001 to 150 mg/m^3

ENVIRONMENTAL DUSTTRAK

Aerosol monitor in tamper-proof environmental protection housing

- Remote-controlled real-time data acquisition solution that is ready for use in less than an hour
- Early detection functions enable timely interception of sources of increased air pollution
- Simultaneous measurement according to size of separate mass fraction concentrations corresponding to the dust fractions PM 1, PM 2.5, respirable, PM 10 and total dust fraction
- Aerosol concentrations from 0.001 to 150 mg/m3

PORTACOUNT 8040/8048

PortaCount 8040-8048 Respirator Fit Tester

- Compatible with new modified CNC protocols
- Real-time FitCheck Mode ™ shows mask fitting in real time to improve mask selection and training
- Animated fit test steps guide the user through the correct movements for each exercise
- OSHA, CSA, HSE, INRS, and ANSI compliant for all close-fitting breathing apparatus, including 95, 99, 100, FFP1, FFP2, and FFP3 series respirators with filters

AM520/AM520I

Personal carried aerosol monitor SidePak

- Real-time measurement of mass concentrations and data logging for on-site data analysis
- Aerosol mass concentration measurements for PM10, respirable, PM2.5, PM1 and 0.8 µm DPM
- SidePak AM520I is IECEx and ATEX certified for use in explosive environments
- User-selectable alarm levels for alarming the employee
- Powerful battery and OLED color display

BLUESKY

Air quality meter

- Accurate Data - Factory calibrated TSI PM sensor with the ability to program a custom calibration factor
- Real-time map from live data
- Unique laser-based scattered light particle sensors
- Developed for outdoor use

DT80M/DT80G

DT80M data logger with integrated modem and DT80G data logger for geotechnical applications

- DT80M with an integrated 2G / 3G modem
- DT80G support vibrating wire sensors such as Geokon, Slope Indicator, RST Instruments, ...
- Dual channel concept enable up to 10 isolated or 15 common analog inputs
- USB memory for easy data and program transfer
- Web interface, FTP server
- Can be expanded to up to 300 analog inputs

INDIGO80

Indigo 80 handheld indicator

- Ideal for spot-checking
- Dual-probe, high-accuracy portable diagnostic and data logging tool
- Operation time of 10 hours
- Robust, durable aluminium body
- Intuitive user interface

HMP80

Handheld probe for humidity and temperature

- Ideal for fieldcalibration
- Wide temperature measurement range
- RH accuracy up to ±0.8 %RH
- Temperature accuracy up to 0.1 °C
- Compatible with Indigo500 transmitters and Insight PC software

DMP80

Handheld probe for dew point and temperature

- Suitable for ambient and pressuriued processes
- Optimized for portable measurements
- Ideal for field calibration
- Robust cable connections
- Compatible with Indigo500 transmitters and Insight PC software

INDIGO80 MIT GMP252

Indigo 80 handheld indicator with CO2 probe

- Intelligent, stand-alone probe with analog (V, mA) and digital outputs
- Full temperature and pressure compensations
- Integrated temperature measurement for CO_2 compensation purposes

HM40

Portable humidity and temperature measuring devices for quick checks and random measurements

- HM41 humidity and temperature measuring device – compact standard model
- HM42 humidity and temperature measuring device with 4 mm thin cable probe
- HM45 humidity and temperature measuring device with standard cable probe
- HM46 humidity and temperature measuring device with long stainless steel cable probe

FLOWTHERM NT.2/EX

Flow handheld measuring device with a wide range of applications, even in EX areas

- Measurements with up to three sensors can be displayed simultaneously
- Data logger enables the storage of up to 40,000 measurements with date and time
- Up to 100 different profiles for users or measuring points can be stored
- USB interface – simply transfer logged data to the PC and configure the device

KATFLOW 200

Handy ultrasonic flow meter for liquids

- Pipe diameter from 10 mm to 6,500 mm
- Temperature range for standard sensors from –30 °C to +250 °C
- Weight 650 g
- Robust IP 65 housing with rubber protector
- Graphic display with selectable "three-line display" and one-hand keypad
- Battery life in measuring mode up to 24 hours with 4 x NiMH AA batteries

PORTABLE AIR VELOCITY METER 2445

Portable flow meter for the high temperature range

- Made for very high temperatures up to 500 ° C (such as coal-fired power plants and air ducts)
- Available in five fixed lengths
- Robust, welded construction - ideal for dirty and corrosive environments
- All-metal display module, charger, carrying case and accessories

VELOCICALC-9600

Portable multifunction climate meter

- Large, high-resolution color display
- Intuitive menu structure for easy operation and facility
- Input for a K-alloy thermocouple
- User-customizable softkeys for quick access to common functions
- Calculation of the percentage of outside air with IAQ probe

EMA200

Portable digital manometer with min / max value memory

- For measuring differential pressure and flow velocities
- High accuracy and long-term stability
- Low zero drift, hysteresis and temperature dependence
- 4 measuring ranges available
- Scalable analog output
- Ideal for customer service and maintenance work, e.g. B. on heating, ventilation and air conditioning systems

ACCUBALANCE-8380

Volume flow hood for measuring the air volume on diffusers and grilles

- High flexibility due to removable micromanometer
- Optional probes for other measurement applications
- Stable and trouble-free operation
- Light and ergonomic measuring hood
- Contributes to the creation of a healthy and energy efficient environment
- Automatic recording and display of supply and exhaust air flows saves time at work

SQ16/PLUS

Powerful data logger for all applications

- Easy to use, simple setup and intuitive to use
- The long battery life ensures long-lasting operation and mobility
- Rugged body and rugged design, ideal for environmental applications
- Bluetooth and USB connectivity for multiple connection options

DUSSTTRAK-8533EP

Dusttrak DRX aerosol monitor for real-time dust monitoring

- Stationary battery-operated laser photometer with external pump, scattered light measurement and data logging for real-time measurements of aerosol masses
- No other device can measure mass and particle size at the same time
- Energy saving, durable external pump
- Automatic zero point reset
- Aerosol concentration range 0.001 to 150 mg / m^3

PMT® MINI APC

Portable air particle counter mini (28.3LPM) – A 230

- 4.2 kg (without battery
- Long-life laser - 10-year guarantee
- Resistant to disinfectants commonly used in clean rooms
- commonly used in clean rooms
- Dual-flow model is available (28.3 l/min and 100 l/min)
- Capacitive 8-inch LCD touch screen
- Multi-level authorization management with test protocol

PMT® BIO-AEROSOL MONITORING SYSTEM

A continuous monitoring system allows ongoing supervision and provides real-time data

- Certified ISO particle detector
- Most efficient, user-oriented design
- First truly portable microbial monitor
- No incubation required; immediate result

PMT® ELECTRIC HIGH PRESSURE DIFFUSER-ECONOMIC

High-pressure diffuser for decompression of nitrogen, carbon dioxide, argon, and other inert gases

- Compatible with most brands of airborne particle counters and bioaerosol samplers with different flow rates and all other types of active gas sampling devices
- Accurate and reliable
- The built-in differential pressure gauge and electromagnetic valve can provide accurate gas volume to the back-end detection device

PMT® DUAL-MODE HIGH PRESSURE DIFFUSER

Designed for pharmaceutical, food and beverage, cosmetic and medical facilities

- High probability that the microorganism will remain active
- Sampling before decompression eliminates the possibility of the micro-be bursting due to a sudden drop in pressure.
- Automatic sampling
- The pressure and sampling time do not need to be monitored, making sampling convenient and safe.
- High sample accuracy

PMT® HIGH PRESSURE DIFFUSER

During the sampling of pressurized gas, the high-pressure diffuser decompresses the compressed gas in real-time

- Compliant with ISO 8573-4: 2019 - Measurement of pollutants - Part 4: Particle content
- Exhaust air filter to reduce cross-contamination
- Gas types: air, N2, CO2, Ar, O2 and other inert gases
- Compatibility: compatible with Airborne Particle Counter (APC), BioAerosol Sampler (BAS)

PARTSENS 4.0

The new generation of surface measurement technology

- Portable surface particle counter with wireless measuring head
- Size range from – to: < 5 µm to > 3000 µm
- Particle evaluation PartSens+ 4.0: Size and number of non-metallic particles, metallic particles and fibers
- Particle size classification according to VD A 19 Part 2 or ISO 16232
- Camera measuring area: 19.36 mm x 13.82 mm
- Active measuring area: 2.68 cm^2
- Measuring time < 10 seconds

PMT® 8300/8303/8306

The PMT handheld particle counter measures 0.3 to 25.0 µm

- Flow rate 8300: 1.2 LPM / 8303 & 8306: 0.1 CFM (2.83 LPM)
- 8303: up to 3 data channels simultaneously / 8300 & 8306: up to 6 data channels simultaneously
- Long-life laser diode technology
- Approximation of mass concentration in µg/m3 with density and refractive index corrections
- Integrated handle for one-handed operation
- Large, user-friendly color touchscreen display with icons
- Temperature and relative humidity sensor included

PMT® 8503

The PMT 8503 handheld particle counter measures 0.5 to 25.0 µm with a flow rate of 0.1 CFM (2.83 LPM)

- Long-life laser diode technology
- Up to 3 data channels simultaneously
- Approximation of mass concentration in µg/m3 with density and refractive index corrections
- Integrated handle for one-handed operation
- Large, user-friendly color touchscreen display with icons
- Temperature and relative humidity sensor included
- Remote diagnosis enables remote inspection and service via the internet

HANDHELD METERS

PMT® 8506

The PMT 8506 Handheld particle counter measures 0.5 to 25.0 µm with a flow rate of 0.1 CFM (2.83 LPM)

- Ideal for spot checks
- Tool with two probes for highly accurate mobile diagnostics and data logging
- Operating time of 10 hours
- Robust, durable aluminum housing
- Intuitive user interface

PMT® 8506-30

The PMT 8506-30 handheld particle counter measures 0.5 to 75 µm with a flow rate of 0.1 CFM (2.83 LPM)

- Long-life laser diode technology
- Up to 6 data channels simultaneously
- Approximation of mass concentration in µg/m3 with density and refractive index corrections
- Integrated handle for one-handed operation
- Large, user-friendly color touchscreen display with icons
- Temperature and relative humidity sensor included
- Remote diagnosis enables remote inspection and service via the internet

SERVICE

PYROS-140/-375/-650

Compact metal block temperature calibrators

- Temperature range: –24 °C to +650 °C
- Serves as a temperature source and reference device in one
- For testing and calibration of temperature measuring devices of all kinds
- Compact and light
- Different block inserts with different holes available for test specimens
- Particularly proven on board ships (marine industry)

QUARTZ

Metal block temperature calibrators

- Temperature range: –30 °C to +150 °C
- Serves as a temperature source and reference device in one
- For testing and calibration of temperature measuring devices of all kinds
- Compact and light
- Different block inserts with different holes available for test specimens
- Retrofitting of „black body“ for the calibration of non-contact infrared thermometers possible

PULSAR-80CU/-35CU

Metal Block Temperature Calibrator

- Temperature range +20 … + 550 °C
- Immersion depth for test objects 275 mm
- Ramp function
- Thermostat tests
- Computer controlled calibrations via RS232 interface
- Different block inserts with different holes available for test specimens

SOLAR

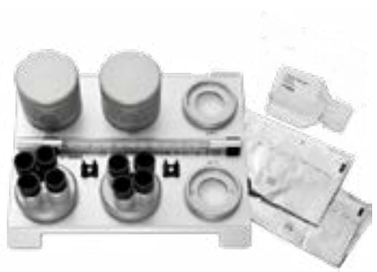
Metal Block Temperature Calibrator

- Temperature range +200 … + 1100 °C
- Ramp function
- Thermostat tests
- Computer controlled calibrations via RS232 interface
- Different block inserts with different holes available for test specimens

FLUID-100/-200

Temperature calibration bath

- Temperature range: –8 °C to +250 °C
- Ideal for the calibration of glass thermometers and laboratory thermometers
- Compact and light
- Computer controlled calibrations via RS232 interface
- Option: conversion to metal block temperature calibrator



HMK15

Salt bath calibrator for laboratory and on-site calibrations

- In addition to laboratory use, it is also suitable for calibration purposes directly at the measuring location
- The HMK15 can be easily transported to the respective place of use thanks to the special vessel lid
- Based on the principle of saturated salt solutions
- Certified ready salt packs available
- No power supply required
- Fast temperature compensation

KAL100/200/84

Pressure calibration devices with integrated pressure generation

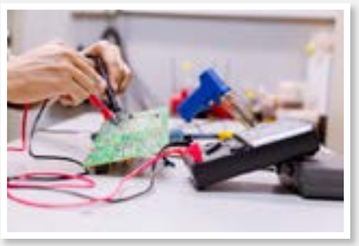
- Pressure gauges for low pressures from 10 Pa can be easily checked and calibrated
- High accuracy and long-term stability thanks to automatic zero adjustment
- Simple menu navigation for switching units, setting calibration points and specifying the measuring span
- Generation of positive and negative differential pressures
- DAkkS calibration certificate

REPAIR- & CALIBRATIONSSERVICE

REPAIR

We offer you a quick repair service including all necessary spare parts, an accredited certificate or a factory calibration cerificate with a service report.

- **The repair includes:**
- Workload
- Spare parts required
- Calibration certificate
- Service report



CALIBRATION

Regular calibration ensures that your measuring devices continously provide accurate and high-quality data. Calibrations caried out in our service center are treaceable and corresbond to ISO 9001.

The calibration includes:

- Calibration and certificate before adjustment
- Adjustment according to specification
- Calibration and certificate after adjustment
- Exchange of wear parts

NOTES

NOTES

Photos:

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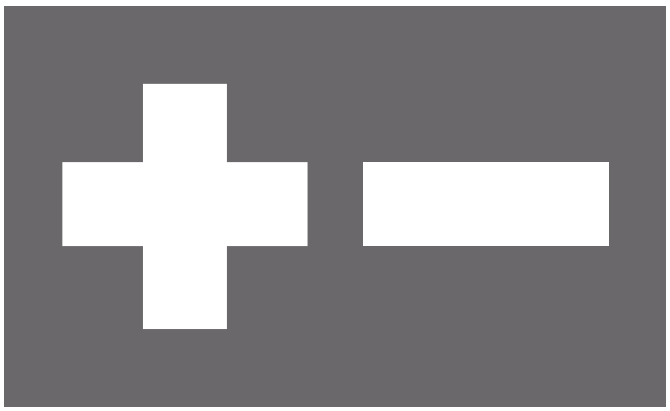

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