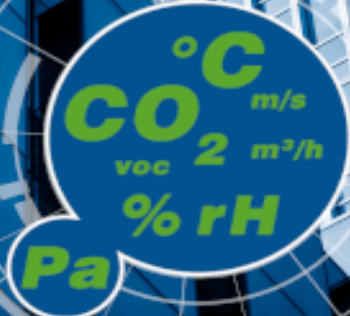


HVAC & BMS Sensors



**5 YEAR
WARRANTY**

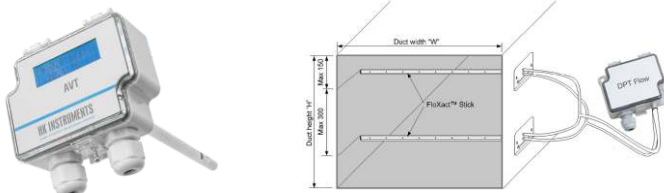
DIFFERENTIAL PRESSURE TRANSMITTER



FIELD ADJUSTABLE, MULTI-RANGE DIFFERENTIAL PRESSURE TRANSMITTERS FOR AIR

- Multiple measurement units, field selectable via jumper, including: inWC, mmWC, Pa, mbar.
- unidirectional or bi-directional, selectable via jumper.
- Proportional output options including: Voltage (0–10 V / 2–10 V) and Current (4–20 mA), Modbus (RS485), Relay output options.
- AZ (autozero) function for automatic zero point calibration, eliminating the need for periodic manual autozeroing to ensure long term accuracy.
- Optional Backlit display.

AIR FLOW SENSORS



DUCT AIR VELOCITY SENSORS

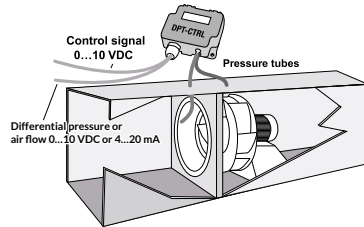
- Proportional output options: Voltage (0...10 V) and Current (4...20 mA) & Modbus (RS485)
- PID controller for air velocity (-D models)
- 3 field selectable ranges
- Optional alarm relay
- Optional Backlit display.



AIR FLOW AND VELOCITY TRANSMITTER

- Air Flow measure the flow rate on centrifugal fans.
- Air Flow measurement in duct.
- Multiple field selectable measurement units:
 - Volume flow: m³/s, m³/h, cfm, l/s
 - Velocity: m/s, ft/min
 - Pressure: Pa, inWC, mmWC, kPa, mbar, psi
- Proportional output options including: Voltage (0–10 V / 2–10 V) and Current (4–20 mA) & Modbus (RS485)

AIR HANDLING CONTROLLER



MULTIFUNCTIONAL PID CONTROLLER WITH DIFFERENTIAL PRESSURE OR AIR FLOW TRANSMITTER

- PID-controller
- Control differential pressure or air flow in duct or across centrifugal fans
- All parameters (PID) are adjustable via menu
- Measure and monitor differential pressure or air flow in Duct or across Centrifugal fans
- Unique proportional output options:
 - Control output: Voltage (0–10 V) or Current (4–20 mA)
 - Differential pressure or air flow: Voltage (0–10 V) or Current (4–20 mA)

HUMIDITY & DEWPOINT SENSORS



HUMIDITY / TEMPERATURE SENSORS

- Room, Duct or Outside air models
- Precision RH and temperature sensing elements
- Humidity range: 0 to 100%
- Better Accuracy : 2% rH & ±0.3 °C/ ±0.5 °C
- SS probe in Duct sensor
- Proportional output options including: voltage (0–10 V) and current (4–20 mA) & Modbus (RS 485)



DUCT DEWPOINT SENSORS AND OUTDOOR SENSORS

- Two selectable outputs for measured and calculated parameters (Humidity and Temperature, dew point, mixing ratio, enthalpy and absolute humidity).
- Offset feature enabling field calibration for measurement parameters Humidity and Temperature.
- Proportional output options including: Voltage (0–10 V) and Current (4–20 mA) & Modbus (RS 485)

CARBON DIOXIDE TRANSMITTER



- Room, Duct or Outside air models available
- Separate field configurable output for each measurement parameter (CO₂, T)
- 0-2000/ 0-5000/ 0-10,000 PPM Co₂ Range available
- Proportional output options including: Voltage (0–10 V) and Current (4–20 mA) & Modbus (RS 485)

INDOOR AIR QUALITY SENSORS



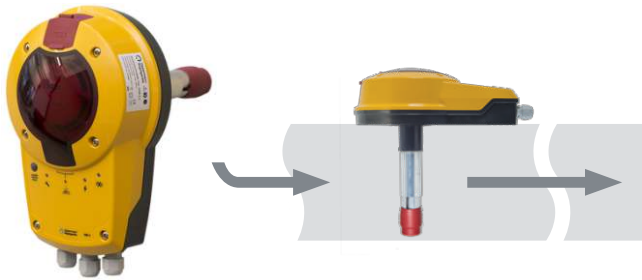
- Room & Duct models available
- Several options for indoor air quality measurements
 - Humidity & Temperature measurement
 - CO₂ concentration measurement
 - VOC (Volatile Organic Compounds)
 - Occupancy detection (-PIR models).
- Proportional output options including: Voltage (0–10 V) and Current (4–20 mA) & Modbus (RS 485)
- LCD Display options

TEMPERATURE SENSORS



- Room, Duct, Immersion, Cable, Surface, Strap ON, Outdoor Multiple Models available
- Output options :
 - Resistive : (NTC10k, NTC20k, Pt1000, Ni1000, Ni1000-LG, NTC1.8k)
 - Voltage (0–10 V)
 - Current (4–20 mA)
 - Modbus (RS 485)
- Multi Range options : 0...50 °C, 0...100 °C, -50...50 °C, -50...150 °C via jumper selection
- LCD Display options

DUCT SMOKE DETECTOR



- **Patented Sampling:** Single tube system for effective smoke detection.
- **Easy Installation & Operation:** Quick setup with EasyInstall and EasyFunction; ergonomic and modern design.
- **Advanced Monitoring:** DigiSense technology tracks contamination up to 70% and monitors flow digitally.
- **Communication:** Optional Modbus/BACnet interface for building management integration.
- **Robust & Certified:** VdS approved, DIN EN 54-27 tested, IP65 protection.
- **User-Friendly:** Red LED alarm, digital contamination display, and LED indicators for maintenance and power.

MECHANICAL DIFFERENTIAL PRESSURE SWITCHES AND GAUGES



- **Accurate Monitoring:** Both devices offer precise differential pressure measurement, ensuring reliable performance in critical applications.
- **Robust Construction:** Built with durable materials to withstand harsh environments, providing long-lasting and dependable service.
- **Versatile Use:** Suitable for monitoring air, gas, and liquid differential pressures in various industrial settings, including HVAC systems and fluid flow measurement.
- **User-Friendly Design:** Easy to install and operate, with clear displays and minimal maintenance requirements for efficient and effective use.
- **Reliable Control and Safety:** The pressure switch provides dependable on/off control with a high switching capacity, while the gauge offers an easy-to-read dial for quick pressure assessment.

WATER SENSORS



DIFFERENTIAL PRESSURE TRANSMITTER & SWITCH

- **Versatile Application:** Suitable for monitoring overpressure, vacuum, and differential pressure in liquid and gaseous media.
- **High Accuracy Wide Temperature Range**
- **Durable Construction:** Stainless steel, brass, and multiple diaphragm materials (EPDM, NBR, Viton, Silicone).
- **Flexible Electrical Connections:** Multiple configurations including standard and low power and 2-wire/3-wire outputs with transmitters
- **High Protection Ratings:** IP65



PRESSURE TRANSMITTER & SWITCH

- High rated SPDT contacts for switch
- Adjustable setpoint for Switch
- Several monitoring configurations Ranges available in Transmitter
- Optional LED Display
- Variety of Pressure and Electrical Connections



pH TRANSMITTER - ELECTRODE & CONDUCTIVITY SENSORS

- **Wide Measuring Range:** Conductivity Transmitter (0-15,000 $\mu\text{S}/\text{cm}$) and precise pH Transmitter.
- **Reliable Output Signals:** Digital PNP/analogue 4-20 mA for conductivity; typically 4-20 mA for pH.
- **Robust and Durable:** IP68 protection for Conductivity Transmitter, designed for harsh environments.
- **Fast and Accurate:** Quick response times and integrated temperature compensation.
- **Versatile Applications:** Ideal for water/wastewater engineering and chemical processing and chiller application.

ATEX / FLAMEPROOF SENSORS & IP65 SENSORS



- **Enhanced Safety:** ATEX/Flameproof sensors are certified for use in explosive and hazardous environments.
- **High Protection:** IP65-rated sensors offer excellent dust and water resistance, ideal for tough industrial settings.
- **Reliable Measurement:** DPT (Differential Pressure Transmitters) and DPS (Differential Pressure Switches) ensure precise and dependable performance.
- **Wide Applications:** Suitable for oil and gas, chemical processing, Pharmaceuticals API manufacturing and more.
- **Durability:** Designed for extreme conditions, ensuring long-lasting operation and minimal maintenance.

WIRELESS TRANSMITTER & SENSOR



- **Reliable & Scalable:** Transmitters act as repeaters for robust data transfer (MESH NETWORK)
- **Energy-Efficient:** Up to 8 years battery life; low maintenance.
- **Easy Installation:** Quick setup via MyTool® app on mobile devices.
- **Comprehensive Communication:** Supports Modbus RTU and Modbus TCP/IP for seamless integration.
- **Versatile Application:** Measures temperature, humidity, CO2, and occupancy.
- **Up to 100 transmitters** with 100-meter MESH network capability.

BUILDING CONTROLLER



- **Flexible Control:** Manage multiple rooms or zones with both standard and advanced features.
- **Broad Compatibility:** Integrates with Modbus RTU, Modbus TCP, BACnet MS/TP, and BACnet IP.
- **Advanced Functionality:** Dual control loops, cascade control, and customizable energy-saving modes.
- **User-Friendly Setup:** Easy configuration via mobile app and intuitive controls.
- **Comprehensive Actuator Support:** Supports 0...10 V actuators, dampers, and fan control for versatile applications.

LEVEL SENSOR



- **Hydrostatic Level Transmitter:** Accurate 0-5mH2O measurement with rugged aluminum IP-67/68 enclosure and SS construction.
- **Cable Float Level Switch:** Reliable SPDT switch with IP68 protection and 10A capacity, designed for durable performance.
- **Capacitance Level Switch:** High-precision detection with rigid rod probe, SS304 materials, and PTFE insulation, suitable for up to 80°C.
- **Capacitance Level Transmitter:** Robust aluminum enclosure, 4-20mA output, and SS construction for reliable level sensing in challenging conditions.
- **Flameproof Capacitance Level Transmitter:** Designed for hazardous environment, featuring flameproof aluminum housing and accurate 4-20mA output.

EMS SENSORS



- Humidity, Temperature & Pressure Clearroom Monitor Systems
- **Comprehensive Communication:** Supports Modbus RTU, Modbus TCP/IP and Analog Output seamless integration.
- In-room or Remote Monitoring
- Individual alarms for ALL parameters
- Large Easy-To-Read Display
- Temperature-Humidity Better accuracy with 2% rH & ±0.3 °C