Honeywell Sensors are Essential for Monitoring Air Quality and Improving HVAC Systems

Honeywell Solutions are broad – they provide accurate feedback on key environmental conditions that contribute to home and commercial building comfort, for example particulate matter, temperature, humidity and gases including CO₂. They not only improve comfort in a home or commercial building, but can also increase energy efficiency. In this home, several key HVAC/home devices are featured along with the Honeywell sensors that allow them to run reliably and deliver accurate readings.

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ENERGY EFFICIENCY, COMFORT, LOWER COSTS AND MORE
ALL PACKAGED INTO TINY SENSORS & SWITCHES

THE INCREASING COMPLEXITY OF ENVIRONMENTAL CONTROL SYSTEMS AND DEVICES MEANS AN INCREASING NUMBER OF HIGHLY RESPONSIVE SENSORS REQUIRED.

As consumer and commercial expectations shift toward better energy efficiency, automation, lower costs and sustainability, suppliers need to be on the forefront with the latest technologies to stay competitive. Honeywell’s broad line of sensors covers all HVAC control applications and mounting options, making Honeywell your best sensor source. From humidity/temperature sensors for heating and cooling to CO₂ sensors for air quality and control – and just about everywhere in-between – you can count on Honeywell sensors for the latest technology, affordability, ease of installation, accurate performance and reliability.

FOR MORE INFORMATION

Honeywell Advanced Sensing Technologies services its customers through a worldwide network of sales offices and distributors. For application assistance, current specifications, pricing or the nearest Authorized Distributor, visit our website or call:

USA/Canada  +302 613 6491
Latin America  +1 305 805 8188
Europe  +31 349 238258
Japan  +81 (0) 3-6730-7152
Singapore  +65 6335 2628
Greater China  +86 4006396841

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HEAVY DUTY PRESSURE SENSORS, MIP SERIES
- Rugged, stainless steel construction
- Ratiometric output: 0.5 Vdc to 4.5 Vdc
- Total Error Band: ±0.75 %FSS to ±1.0 %FSS (-40°C to 125°C) for voltage output
- Beneficial in applications where the sensor functionality and the need to know internal or external failure modes is critical

BOARD MOUNT PRESSURE SENSORS, TRUSTABILITY™ SERIES
- High accuracy, performance, reliability and long-term stability
- Pressure range: ±1.6 mbar to ±10 bar, ±160 Pa to ±1000 mbar
- Accuracy: ±2 %FSS (temp compensated: -20°C to 85°C (-4°F to 185°F))

BOARD MOUNT PRESSURE SENSORS, BASIC ABP SERIES
- Total Error Band: As low as ±1.5 %FSS
- Liquid media option
- Small size saves room on the PCB, simplifying design
- Digital output allows the sensor to be directly plugged into the customer’s circuitry without requiring major design changes
- High accuracy, great value pressure measurement solution
- Pressure range: ±0 mbar to 10 bar, ±60 Pa to 1 MPa, ±1 psi to 150 psi
- Accuracy: ±1.5 %FSS (temp compensated: 0°C to 50°C [32°F to 122°F])

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HONEYWELL ZEPHYR™ HIGH ACCURACY AIRFLOW SENSORS, HAF SERIES
- Fast response time and high stability, High sensitivity at very low flows
- High 12-bit resolution increases the ability to sense small airflow changes
- Wide airflow range with custom flow ranges

PARTICULATE MATTER SENSOR, HPM SERIES
- Laser-based sensor which detects and counts particles using light scattering
- Standard and compact sizes
- Concentration range: 0 µg/m³ to 1,000 µg/m³
- Fully calibrated EMC: Heavy industrial level IEC 61000

DIGITAL HUMIDITY/TEMPERATURE SENSORS, HONEYWELL HUMIDICON™
- Digital output-type relative humidity sensor; Energy efficient, ultra-small package
- Industry-leading long-term stability, reliability and relative humidity accuracy
- Lowest total cost solution; true, temperature-compensated digital I²C or SPI output

CITY TECHNOLOGY CO SENSOR, COSURE X
- Designed for unattended operation and long life
- > 10 years in normal use
- Stable performance and self diagnostic function
- UL Certified - UL2075
- Often used in: residential, fire detection and ventilation control applications
- Fully calibrated; EMC: Heavy industrial level IEC 61000
- High accuracy, great value pressure measurement solution
- Pressure range: ±0 mbar to 10 bar, ±60 Pa to 1 MPa, ±1 psi to 150 psi
- Accuracy: ±1.5 %FSS (temp compensated: 0°C to 50°C [32°F to 122°F])

CITY TECHNOLOGY CO₂ Sensor, CRIR SERIES
- Single channel, non-dispersive infrared technology with Automatic Baseline Correction
- UART digital interface
- Enhanced long-term stability
- Easily integrated into system designs; maintenance free for normal indoor applications
- Incorporates scavenging electrode for removal of by-products
- Electrical connection via PCB pins or solder tags
- Wide measurement range and high maximum overload

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