



HONEYWELL AIR DETECTIVE

A Cloud-Based, Artificial Intelligence-Enabled, Edge Device
for HVAC and Environmental Test Professionals

Honeywell

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The system allows HVAC and environmental test professionals to take a snapshot of indoor air and connects them to an extensive allergen database to yield near real-time air quality analysis. The results help professionals to better inform their customers “on-the-spot” of present airborne particles and the products and services that may be useful in their homes.

FEATURES

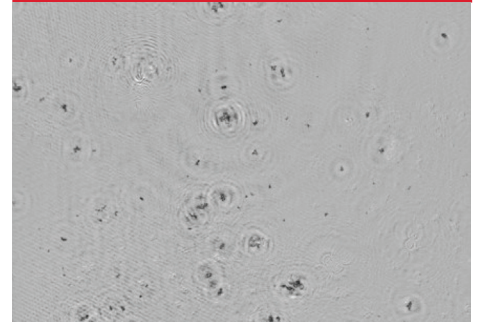
- On-the-spot, near real-time particle classification and display
- Identify various allergens including spores, specific pollen types, and other organic allergen particles
- Visual display of particles present
- Air quality particle report
- Easy-to-use device with tablet app control and display

APPLICATIONS

- Periodic service visits
- HVAC system diagnosis and consultation
- Collection of airborne allergen information to support marketing and sales

VALUE TO PROFESSIONALS

The Honeywell Air Detective is an innovative new tool for the test professional's toolbox. The system enables the professional to provide preliminary insights into the customer's indoor air, which will allow the customer to make more informed decisions about his/her HVAC system. This, in turn, may drive other products and services.



ARTIFICIAL INTELLIGENCE

- System trained with large data set of allergens
- The application's artificial intelligence algorithms are updated periodically and deployed automatically, eliminating the need for manual intervention to enable device or system upgrades



EASY-TO-USE

- Simple tablet app interface
- Single-use disposable air analysis cassettes
- Option to email detailed particle report



MARKETING

- Allows HVAC and environmental test professionals to differentiate from competition
- Allows new high-value ad campaigns targeting premium customers

Honeywell

Sensing and Internet of Things

830 East Arapaho Road

Richardson, TX 75081

sensing.honeywell.com

The Honeywell Air Detective (HAD) takes a one-time “snapshot” of the immediately surrounding air in a given location. As such, the data analyzed by the HAD system are not the exclusive source of information relative to particles that may be present. The HAD system is designed to improve over time through advancement of its machine-learning algorithms and the availability and utilization of additional data sets. The product may be subject to inaccuracies, mis-identifications, false positives, or false negatives that impact the overall results provided in the report. Accordingly, results obtained from the HAD are to be considered preliminary in nature, and a complete analysis of air quality or contaminants would require secondary laboratory analyses. The HAD should never be used as a basis to diagnose disease, to assess potential health risks, or for any other healthcare or medical application. Any recommendations or decisions with respect to products or services based on the HAD or its results should be made with caution given the preliminary nature of the results. A more detailed evaluation of the origin, identity, location, and/or extent of any spores identified by the HAD can be provided by a professional experienced in mold assessment and remediation. State law may require training, certifications, and/or licenses in order to conduct mold assessment or remediation services. Where such laws apply, assessment or remediation should be carried out only by duly licensed and qualified professionals. Honeywell disclaims all implied warranties, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, incidental, or indirect damages, or lost profits or lost revenues.

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