

## HONEYWELL TRANSMISSION RISK AIR MONITOR\* WHAT IS IT?

A cost-effective monitor targeted at schools and restaurants

Alerts users of higher potential exposure to airborne viral transmission risk in an indoor area

\* The Honeywell Transmission Risk Air Monitor is an indicator of potential risk of airborne viraltransmission using multiple factors. It cannot prevent or reduce virus transmission, nor can it detect or warn against the presence of any virus, including but not limited to COVID-19.

## HONEYWELL TRANSMISSION RISK AIR MONITOR KEY FEATURES & BENEFITS

## SIMPLE

Visible Alert Green/Yellow/Red Low/Medium/High

Sound Alarm Audible Risk Alarm

Quick Set up Turn On & Ready to Go



**MODERN** 

Small & Light 3.1"×3.1"×0.9" 5.3 oz (0.3 lb.)

## Easy to Read Display

CO<sub>2</sub>, Temperature, Humidity

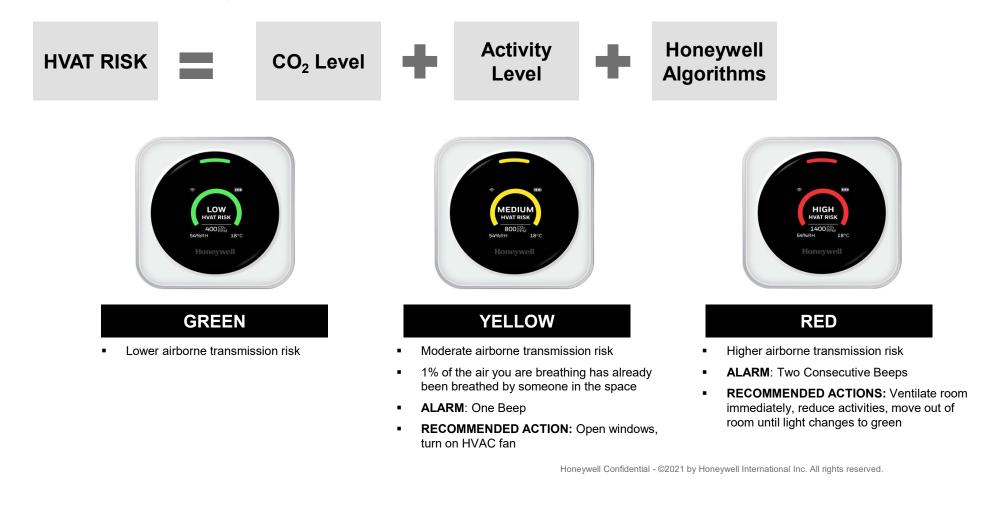
Battery Mini-USB 10-hour Battery Life

## **TRUSTED HONEYWELL BRAND**

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## **HONEYWELL VIRAL AIR TRANSMISSION (HVAT)**

HVAT Risk indicates potential risk level of room



## **HVAT | ACTIVITY LEVEL SETTING**

### HVAT Risk indicates potential risk level of room



Activity level set by user through App - can be changed as often as needed

HVAT algorithm calculates based on type of activity Different activities have different inhalation & exhalation rates

# ACTIVITY SETTING: LOW ACTIVITY SETTING: MEDIUM ACTIVITY SETTING: HIGH classroom, library, hotel rooms restaurant, offices, small clinics gym, recreation center Image: Image

## **RESEARCH ON CO**<sub>2</sub> LEVEL CORRELATION TO AIRBORNE VIRUS TRANSMISSION

**Quotes from AAAS Science:** 

"There is overwhelming evidence that **inhalation** of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) **represents a major transmission route for coronavirus disease 2019** (COVID-19)."

"Viruses in droplets (larger than 100  $\mu$ m) typically fall to the ground in seconds within 2 m of the source and can be sprayed like tiny cannonballs onto nearby individuals. Viruses in aerosols (smaller than 100  $\mu$ m) can remain suspended in the air for many seconds to hours, like smoke, and be inhaled."

Quote from Jose-Luis Jimenez, Professor of Chemistry and CIRES Fellow, University of Colorado-Boulder:

"Our research has shown a close correlation between the likelihood of transmitting airborne viruses and increased carbon dioxide levels. Effective monitoring solutions can indicate that fresh air is sufficient and circulating properly in an enclosed space."

Source: Seminar at the Univ. of Houston 29-Jan-2021: "Transmission of SARS-CoV-2 & how to protect ourselves" - YouTube Airborne transmission of SARS-CoV-2 | Science (sciencemag.org) https://onlinelibrary.wiley.com/doi/abs/10.1034/j.1600-0668.2003.00189.x; https://www.medrxiv.org/content/10.1101/2020.09.09.20191676v1 Substantial scientific support for airborne transmission to be dominant source of transmission of COVID

Surfaces are not major transmission route

Indoor activities potentially expose much higher level of viral airborne transmission risk than outdoor activities

CO<sub>2</sub> levels can be used as a proxy of exhaled air (& exposure to potential airborne viruses)

Different activities have different inhalation & exhalation rates

## **TARGET SEGMENTS**



Schools and Universities Classrooms Libraries Cafeteria



Restaurants Gyms Other private & public buildings

#### WHY SCHOOLS?

- Pressure to go back to "in person" learning
- Average class size: 19 students / classroom and average classroom size is 900 ft<sup>2</sup> (crowded in small space)
- Potential for lack of upgraded HVAC and ventilation systems
- Limited funding to upgrade ventilation system, but could fund small purchases on filters, air purifiers, and low-cost air monitors like Honeywell Transmission Risk Air Monitor

#### WHY RESTAURANTS?

- Long duration in public, enclosed area: ~90 min
- Eating and loud speaking increase CO<sub>2</sub>
- Cooking at home fatigue, people may take more risk to go out
- Peace of mind for customers & employees

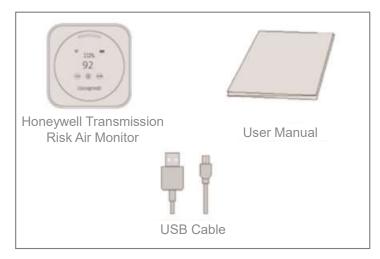
## **PRODUCT DETAILS**

#### SPECIFICATIONS

CO <sub>2</sub> Sensor (NDIR)	Range: 400-2000 ppm Precision: +/- 40 ppm		
Temperature	-20°C to 60°C Precision: +/- 1°C		
Humidity	0%-100% RH Precision: +/- 5%		
USB Port	Micro USB		
Materials	Aluminum Alloy		
Display	TFT		
Input Voltage	5V		
Input Current	1A		
Certifications	FCC, CE, IC, EMC		
Warranty	1 year		
Lifetime	2 years		
Battery	Lithium-ion rechargeable battery Charging time: 6 hours Battery time: 10 hours		
Battery Capacity	2,600 mAh		

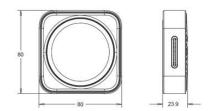
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#### **Product Box Contains:**



#### Accessories Available:

- AC adaptor sold separately
  - EU Version
  - UK Version
  - US&C Version



## **DISTRIBUTOR PARTNER RESOURCES**

#### **Marketing Tools**

- Data sheet
- Sales Brochure for End Users
- Product Video
- Honeywell Website Information only
- 360° Product View for online selling
- Demos Available in April

#### **Partner Requests**

- Product info on Distributor Website
- Product Ranking on search for key words
- Promotion/Banner ads on site
- Sales Training



Transmission Risk Air Monitor

A cost-effective monitor for use in schools, restaurants and other small-to-medium-sized buildings that alerts to the potential increase of exposure to airborne transmission risk based on CO<sub>2</sub> and activity levels in an indoor area.\*

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### HONEYWELL END USER DEMAND GEN & PR CAMPAIGN STARTING IN APRIL

## THANK YOU

## Honeywell