

HONEYWELL TRANSMISSION RISK AIR MONITOR - FACT SHEET

The Department of Education has procured one Honeywell Transmission Risk Air Monitor for every Northern Territory Government school. The monitors are intended for use by the School COVID Safety Supervisor. The monitor can be taken in to any classroom to take a reading.

Ideally this monitor is used as part of a tool kit in combating the virus.



ABOUT THE PRODUCT

The Honeywell Transmission Risk Air Monitor (HTRAM) analyses specific air quality conditions and alerts users when conditions are present that may increase risk of potential exposure to airborne viral transmission.

This monitor can be used to undertake both planned and random monitoring of CO2 levels in classrooms and is to be utilised with other air quality strategies in place such as increased central air-conditioning ventilation, avoiding singing or vigorous activities inside, opening of windows, outdoor learning, taking regular breaks outside and use of air purifiers.

This monitor is a cost-effective way for schools to undertake both planned and random air monitoring to determine if indoor CO2 levels are either low, medium or high

The monitor uses technology that monitors CO2, temperature and humidity levels in buildings.

- Research has shown a link between increased CO2 levels and the likelihood of transmitting airborne viruses.
- Monitoring CO2 levels can indicate if there is enough fresh air circulating properly in an enclosed space.

DETECTION OF COVID-19

- This device **does not detect, mitigate or prevent Covid-19 virus transmission.**
- This device monitors the level of CO2 in a room, which is a good indicator of how many aerosols, or virus-containing droplets, are in the air.
- This device will **alert users of certain conditions that may indicate an increased transmission risk.**

This monitor will provide you with three pre-programmed indoor activity settings that users can choose from:

- **Low activity** (libraries)
- **Medium activity** (classrooms, office and reception areas)
- **High activity** (gyms and indoor recreation centers)

PRODUCT FUNCTION

- The monitor provides risk indications using a traffic light pattern (green, yellow or red) and will issue a sound alarm (beep) to alert users of an increased risk of airborne viral transmission, so to enable users to take action to proactively improve indoor ventilation.
- We recommend use of the Medium Activity setting when using this device in classrooms.

INDICATORS AND ALARMS



	GREEN	YELLOW	RED
Low Activity Libraries, Reading, Quietly Talking	<800 ppm	800 ppm	1100 ppm
Medium Activity Classrooms Talking Loudly	<700 ppm	700 ppm	1000 ppm
High Activity Gyms Running, Jumping, Exercising	<500 ppm	500 ppm	800 ppm
Recommended Actions	Nil	<ul style="list-style-type: none"> Open windows Turn on A/C and fans Take a break out of room Additional actions as needed 	<ul style="list-style-type: none"> Ventilate room Reduce activities Move out of room Additional actions as needed
ALARMS	Safe Level – No Alarm (Beep)	One beep	Two beeps

ACTIONS ON FOR DIFFERENT DISPLAYS

The monitor will show one of three display settings. These displays are used to alert the occupants of a need to take action when conditions change.

- Green** display means that conditions present indicate a low likelihood of airborne viral transmission risk.
- Yellow** display means that conditions present indicate a medium likelihood of airborne viral transmission risk. If the display moves from green to yellow, increase airflow and turn on the A/C, fans, open windows or take a break outside.
- Red** display indicates that conditions present indicate a high likelihood of airborne viral transmission risk. If the display moves from yellow to red, ventilate the room immediately, reduce activities, and move out of the room until the indicator light changes back to green.

Once corrective behaviors are started, such as reducing activity and increasing ventilation levels in a room, the amount of time it takes for the monitor to switch between levels can be fairly quick. (e.g. within a few minutes)

MONITOR PLACEMENT - CLASSROOMS

- The monitor should be placed in the center or directly adjacent to the area of activity
- Persons should not directly breathe onto the monitor
- Position the monitor between 1m and 1.5m above the floor level
- Keep the monitor out of direct sunlight
- Do not place the monitor near air purifier units, in front of floor fans or A/C outlets
- Place the monitor at least 1.5 m away from doors

BATTERY AND CHARGING

- The product has a 10-hour battery life
- The product includes a USB charging cable that can be plugged in when the battery level gets low

SUPPORT

For Department of Education support on use and operation contact;

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Link to Honeywell - Transmission Risk Air Monitor - YouTube.

<https://youtu.be/Qc3H7rIUrDw>