Critical Environment Technologies Canada Inc.
Unit 145, 7391 Vantage Way, Delta, BC, V4G 1M3, Canada
TF: +1.877.940.8741 | **T**: +1.604.940.8741 | **F**: +1.604.940.8745

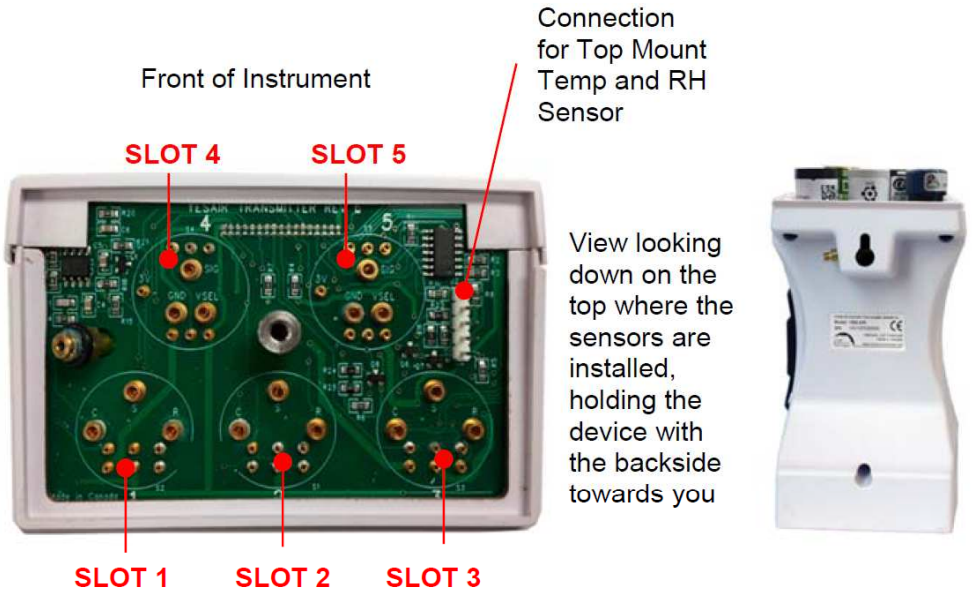
www.critical-environment.com

YES IAQ Sensor Location Restrictions

YESAIR Portable IAQ Monitor

The YESAIR is an 8-channel portable IAQ monitor with integrally mounted temperature and RH sensors and can handle up to 5 plug & play internal gas sensors plus 1 external particulate sensor. Of the five plug and play sensors, it can only accommodate three electrochemical, two infrared, PID or catalytic sensors and one external particulate monitor. Please see table below.

YESAIR Sensors	Qty
Internal Sensors	
Temparature	1
Relative Humidity	1
Electrochemical	3
Infrared, PID TVOC and/or Catalytic (one TVOC sensor only)	2
External Sensor	
Particulate Sensor PM2.5 or PM10	1
Total Number of Sensors	**8**



	Location Restrictions
SLOT 1	Toxic gas sensor that does not require bias voltage. If available, sticky gas sensors ie. Chlorine (Cl_2), Hydrogen chloride (HCl), Ozone (O_3), Hydrogen fluoride (HF), Fluorine (F_2) when used in the Pump model.
SLOT 2	O_2 (if used) MUST use this slot. Otherwise, it may contain a toxic gas sensor that does not require bias voltage.
SLOT 3	Toxic gas sensor that requires bias voltage (if used) MUST use this slot (e.g., NO). Otherwise, this slot may contain a toxic gas sensor that does not require bias voltage.
SLOT 4, 5	CO_2, PID, or catalytic gas sensors only.

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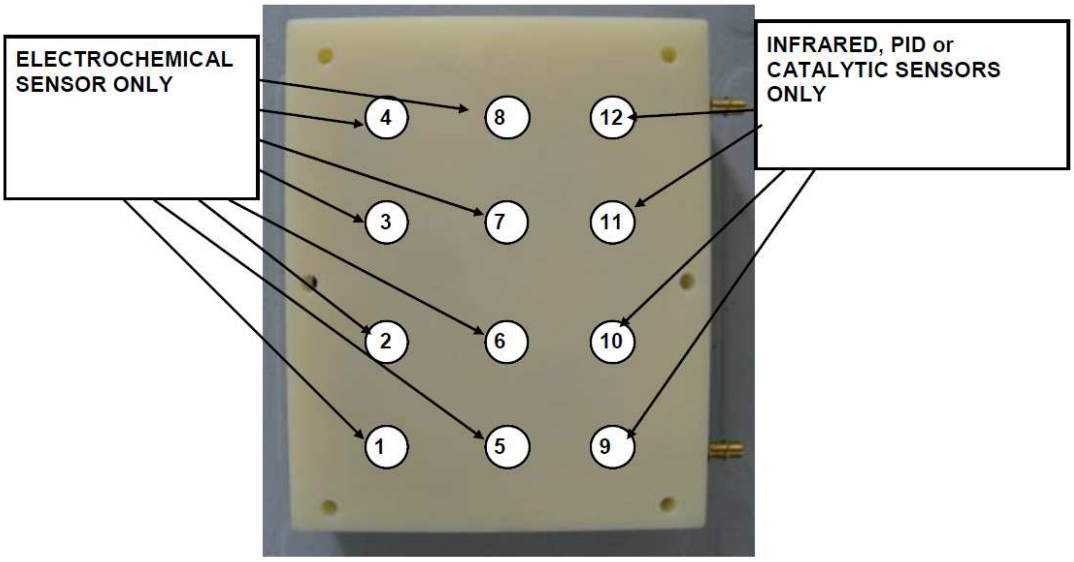
YES Plus LGA Portable IAQ Monitor

The YES Plus LGA is a 15-channel portable IAQ monitor with integrally mounted temperature and RH sensors and can handle up to 12 plug & play internal gas sensors plus 1 external particulate sensor (under development). Of the twelve plug and play sensors, it can only accommodate eight electrochemical, four infrared, PID or catalytic sensors and one external particulate monitor. Please see table below.

YES Plus LGA Sensors	Qty
Internal Sensors	
Temparature	1
Relative Humidity	1
Electrochemical	8
Infrared, PID TVOC and/or Catalytic (one TVOC sensor only)	4
External Sensor	
Particulate Sensor PM2.5 or PM10 (still in development)	1
Total Number of Sensors	**15**



Sensor locations 1 to 8 accommodate the 3-electrode style electrochemical sensors. Locations 5 and 6 will also accommodate electrochemical sensors that require a bias voltage. Locations 7 and 8 will accommodate the typical 3-electrode sensor, and also 2-electrode style electrochemical sensors. (This is typically an oxygen sensor, but some rare gases also fall into this category.)

Positions 9 through 12 accommodate the 3-pin infrared (IR), catalytic or PID sensors. These sensors have a higher power draw and as a result, the pins have been spaced differently to ensure they are not accidentally placed in locations 1 to 8. Doing so could potentially damage the electronics of the instrument.