

# VT0D Series VT0D VOC/Temp Duct

- · Cost-effective measurement of room VOC levels
- 0-5V, 0-10V, 2-wire and 3-wire 4-20mA options
- Thermistor outputs for temperature optional
- · Rugged attractive design













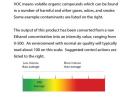
#### **DESCRIPTION**

The VTOD is capable of sensing thousands of VOC's coming from sources such as paints, glues, cleaners, alcohol, building products, smoke, and myriad other harmful or offensive gases. It's ability to sense these contaminants in addition to breath and other bodily functions makes it the preferred alternative or compliment to CO2 occupancy sensing. The VTOD Value Series ensures that odor and ventilation issues are never a topic of conversation. An array of analog outputs and thermistor options accommodate any installation and keep occupants breathing easy.

### **APPLICATIONS**

- · Verify operation of ionazation and UV systems
- Controlling ventilation in response to occupancy
- · Ventillation control
- · Economizer control
- Cafeterias, conference rooms, restrooms and public assembly areas









Rugged Enclosure

VOC Explained

Made in the USA - 7-year Warranty

## **FEATURES**

- On-board temperature compensation for VOC
- · Gasket seals sensor against wall drafts and false readings
- Senses thousands of contaminants
- Perfect alternative or compliment to CO2 sensing for ventillation
- New enclosure design is rugged and slim; unobtrusive tamper resistant design
- Fits easily in standard single gang boxes
- 0-5V, 0-10V, 2-wire and 3-wire 4-20mA options
- Thermistor outputs for temperature optional



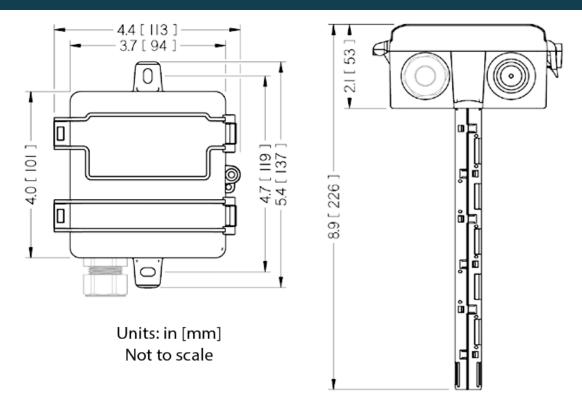
# ORDERING

VT0D-**Output Type** Temperature A= 0-5VDC, 3-Wire A= None B= 0-10VDC, 3-Wire C= 100PtRTD C= 4-20mA, 2-Wire D= 1000PtRTD D= 4-20mA, 3-Wire E=10KType 2 F= 10K Type 3 G=10KW/11K H=3KI = 2K2J = 1K8K = 20K

L= 100K



# DIMENSIONS



A

**Warning:** The datasheet is designed for reference only. Refer to installation instructions that accompany the product and heed all safety instructions. Product improvement is a continuing process at Senva. Changes may occur to products without prior notice.



SPECIFICATIONS		
Power Supply		12-30VDC/24VAC (1), 24mA max.
Outputs	RH% (options)	0-10V, 0-5V, 2-wire or 3-wire 4-20mA
Output scaling	RH%	0-500 (relative intensity)
Thermistor Options		Yes, see ordering table
Sensor Performance	Type	MOS
	Gas	Ethanol
	Range	0-1000ppm of ethanol equivalent
	Response time	<10s
	<b>Humidity Compensation</b>	Yes
	Long term drift	<0.25%RH per year
Enclosure	Dimensions	4.0"h x 4.4"w x 2.1"d (+6.8" probe)
	RH Rating	0-90% operating, 0-80% storage
	Temp Rating	-10 to 50C operating, 5 to 30C storage
Compliance		CE, RoHS

1. One side of transformer, secondary is connected to signal common. Dedicated transformer is recommended. 15-30VDC/24VAC power supply voltage required for 10 volt output.

<sup>\*</sup> Product improvement is a continual process at Senva and product features and specification may change without prior notice. Refer to instructions that accompany the product for installation and wiring.