

AIR QUALITY TRANSMITTERS

- Please read these instructions before you begin installation.

METHOD OF OPERATION

The AQT-2000 senses volatile organic compounds, VOC's. People breath out VOC's, including ketones. Building materials out-gas VOC's such as formaldehyde from carpets and chip board. The AQT-2000 is therefore a good sensor of air quality deterioration due to both occupancy and chemicals in the work place.

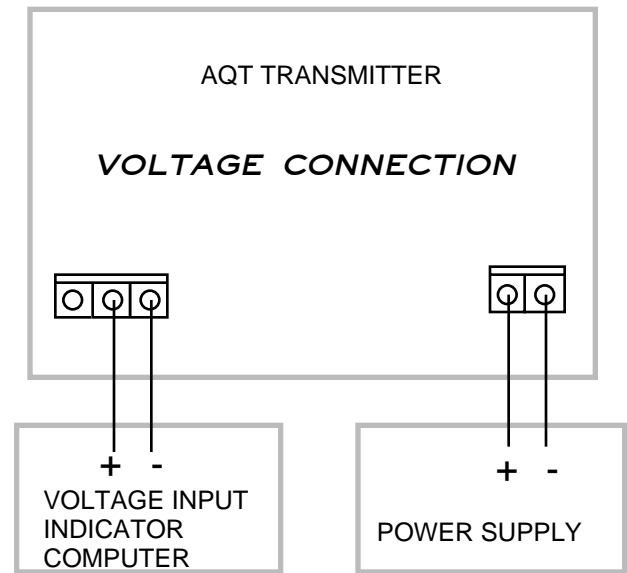
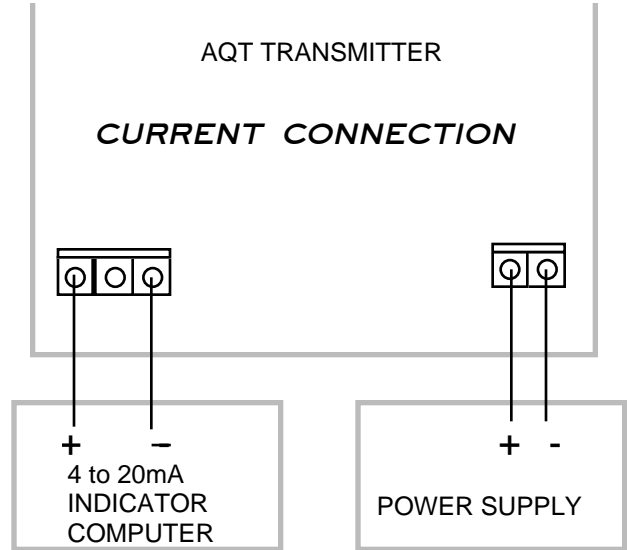
The AQT-2000 produces an analogue voltage or current signal proportional to air quality. In building control this signal is transmitted to a central control system which will decide on the appropriate action to take to control air quality. 4mA represents an atmosphere with no VOC's and 20mA represents an atmosphere containing only VOC's

On special order a controller version is available for applications such as portable classrooms where one AQT-2000, directly connected to a fresh air damper actuator, controls air quality. This version senses very small changes in air quality and responds quickly to any worsening of air quality but reacts slowly to improvements in air quality, insuring that contaminants are flushed from the monitored space.

WIRING & TECHNICAL DATA

| | |
|-----------------------|---|
| Supply Voltage | 12 to 30 VDC |
| Supply Current | 100 mA |
| Operating temperature | -10 to 60 C |
| Operating Humidity | 10 to 95% rH |
| Outputs | 4 to 20mA / 0...10 VDC |
| Output Impedance | > 1k ohms for voltage 1000*Vs/24 for current |

Note about outputs: Both the current and voltage outputs are always available. The standard instrument is shipped with 4 to 20mA and 2 to 10VDC outputs. Other ranges can be ordered or programmed with the optional hand-held module



INSTALLATION OPERATION

For more detailed information about the operation of our family of air quality instruments including the hand-held module used for programming the AQT-2000 and logging data as well as our graphing software please request our Air Quality Installation and Operation Manual.