SPER SCIENTIFIC

Indoor Air Quality Controller

Ideal for HVAC

- Relay Output
- CO_2
- Humidity
- Dew Point
- Air Temperature
- Wet Bulb Temperature

Poor air quality may cause tiredness, inability to concentrate, and even illness (i.e., Sick Building Syndrome). This instrument is ideal for monitoring and controlling indoor air quality in crowded public spaces with potentially high levels of CO2 (carbon dioxide) such as offices, factories, classrooms, hospitals and hotels. When CO2 levels exceed a preset limit IAQ controller sends a signal via relay activating ventilation units to bring them back to acceptable levels. Simultaneous display of CO2 level, humidity and air temperature, (or the user may choose a rotating display of dew point and wet bulb temperature instead of air temperature). Also, calculates TWA (Time Weighted Average) and STEL (Short-Term Exposure Limit). Simple user calibration of CO2 and RH. Features visible and audible C02 threshold alarms, min/max/ave, and a computer interface. NDIR (non-dispersive infrared) technology ensures long-term accuracy, stability and reliability. In order to connect this model to a computer to stream data, you will need the USB Cable 840054 and Data Acquisition Software 840052. Comes with an AC Adaptor.

DIM: 5" × 3½" × 2½" (130 × 95 × 65 mm) WEIGHT: 9.5 oz (270 g)

5 YEAR WARRANTY

CE

No.	Description
800045	**Indoor Air Quality Controller**
840052	Data Acquisition Software
860019	Humidity Calibration Chamber
840054	USB Cable

	Range	Resolution	Accuracy
Air Temp °C	-10 to 60°C	0.1	0.6°C
Air Temp °F	14 to 140°F		0.9°F
RH	0 to 100		±3% (10 to 90%) ±5% (otherwise)
Dew Point °C	-13.3 to 60°C		
Dew Point °F	8 to 140°F		
Wet Bulb °C	-73.4 to 60°C		
Wet Bulb °F	-100 to 14°F		
CO_2	0 to 5000 ppm	1 ppm	±30 ppm ±5% rdg