

Q-TRAK™ Plus IAQ Monitor



Providing a comfortable, safe and healthy indoor environment is an increasingly important concern. Good air quality increases concentration and productivity. It can also reduce lost days due to absence. Managing indoor air just makes sense. TSI's Q-TRAK Plus IAQ Monitor provides quick, accurate information to assess key IAQ parameters.

Accurate Results

The Q-TRAK Plus monitor's state-of-the-art sensors and large, easy-to-read graphics allow real-time, simultaneous display of temperature, relative humidity, CO₂ and CO. The user can even review previously stored data without interrupting a test in progress. The Q-TRAK Plus also provides key reference measurements like dew point, wet bulb and percent outside air for ventilation calculations.

Data Collection and Reporting

Expanded data logging capacity allows user-selectable logging intervals and start/stop times. During unattended operation, the Q-TRAK Plus will store up to 33 days of data collected at one-minute intervals. Data can be quickly downloaded for in-depth analysis and reporting using the provided TRAKPRO™ Data Analysis Software. The user can also perform single-point tests for quick building surveys and review stored data on-screen.

Easy to Use

The Q-TRAK Plus features a menu-driven user interface for easy operation. On-screen prompts and step-by-step instructions guide the user through operation and field calibration. The Q-TRAK Plus also features an adjustable hand strap for secure one-handed operation and a lock-out switch to prevent tampering during unattended use.

Specifications

Models 8552 Q-TRAK Plus and 8554 Q-TRAK Plus with CO

CO₂

Sensor Type	Non-dispersive infrared (NDIR)
Range	0 to 5,000 ppm
Accuracy	±(3% of reading +50 ppm) ¹
Resolution	1 ppm
Response Time	20 seconds ²

Temperature

Sensor Type	Thermistor
Range	32 to 122°F (0 to 50°C)
Accuracy	±1.0°F (0.6°C)
Resolution	0.1°F (0.1°C)
Response Time	30 seconds ³
Displayed Units	°F or °C (user-selectable)

Humidity

Sensor Type	Thin-film capacitive
Range	5 to 95% RH
Accuracy	±3% RH ⁴
Resolution	0.1% RH
Response Time	20 seconds ³

CO

Sensor Type	Electro-chemical
Range	0 to 500 ppm
Accuracy	±3% of reading or 3 ppm, whichever is greater ⁵
Resolution	0.1 ppm
Repeatability	±2% of reading
Response Time	<60 sec to 90% of final value

¹ At 77° F (25°C). Add uncertainty of ±0.2%/°F (0.36%/°C) for change in temperature.

² For 63% of final value for 500 ppm step change.

³ For 90% of final value at an air velocity of 2 m/s.

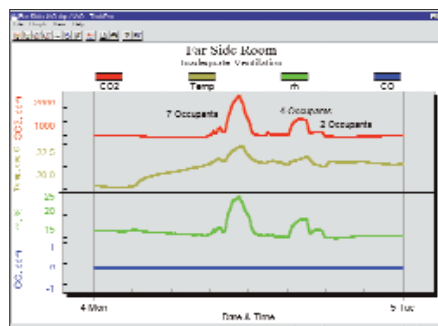
⁴ Includes ±1% hysteresis.

⁵ At calibration temperature. Add uncertainty of ±0.28%/°F (0.5%/°C) for change in temperature.

Specifications are subject to change without notice.

Operating Temperature	41 to 113°F (5 to 45°C)
Storage Temperature	-4 to 140°F (-20 to 60°C)
Data Logging	48,671 data points (up to 33 days of CO, CO ₂ , temperature, and humidity once/minute), 440 separate single data points (sample mode)
Logging Interval	Adjustable from 1 second to 1 hour
External Dimensions	4.2 in. × 7.2 in. × 1.7 in. (107 mm × 183 mm × 38 mm)
Weight (with batteries)	1.3 pounds (0.59 kg)
Serial Interface	RS-232 9600 baud
Power	
AC	AC adapter (7.2 VDC, 320 mA)
Battery	Four AA-size batteries (included)
Battery Run-time	20 hours with alkaline batteries

Model	Description
8552	Q-TRAK Plus IAQ Monitor and accessories includes: Carrying Case, Probe Stand, Alkaline Batteries, TRAKPRO Software, Computer Cable, Calibration Certificate, Calibration Collar, Operation and Service Manual, AC Adapter and Two-Year Warranty
8554	Q-TRAK Plus Model 8552 with CO Sensor



Easy-to-use TRAKPRO™ Data Analysis Software stores, organizes and reports test results.



Air Velocity Probe now available.



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