

Q-TRAK™ XP INDOOR AIR QUALITY MONITOR MODEL 7585



APPLICATION NOTE TSI-165 (A4)

Frequently Asked Questions

Question	Answer
What gases can I measure with the Q-Trak™ XP Indoor Air Quality (IAQ) Monitor?	The instrument can support a total of six gases simultaneously from a list of gas sensors including carbon dioxide (CO ₂), carbon monoxide (CO), total volatile organic compounds (TVOC), formaldehyde (H ₂ CO), ozone (O ₃), chlorine (CL), ammonia (NH ₃), nitrogen dioxide (NO ₂), nitric oxide (NO), and hydrogen sulfide (H ₂ S).
Does the Q-Trak™ XP IAQ Monitor measure particles?	Yes. The removable module features a built in optical particle counter (OPC) to measure PM1.0, PM2.5, and PM10.0 plus particle counts in PC0.3, PC0.5, PC1.0, PC2.5, PC5.0 and PC10.0.
What other parameters is the Q-Trak XP monitor capable of measuring?	It can also measure temperature, relative humidity, barometric pressure and conversions for wet bulb and dew point temperatures. It also features a percent outside air calculation using either temperature or carbon dioxide (CO ₂).
What is the total number of IAQ parameters it can measure?	The Q-Trak XP monitor can display and data log up to 20 parameters simultaneously: six user installed gas sensors, nine particle measurements, air temperature, relative humidity, barometric pressure, wet bulb and dew point temperature.
How many measurements can be displayed at one time?	The touchscreen scroll function allows for 20 simultaneous measurements to be displayed at one time. The percent outside air is performed as a separate workflow.
Can I configure which parameters I want to measure for a particular IAQ investigation or application?	Yes, the user can select as few or as many supported parameters as needed.
Can I set alarms?	Yes. Hi and low alarms can be programmed for any parameter being measured, and multiple alarms can be active simultaneously.
Can I rearrange the order of the measurements I see on the display?	Yes. Parameters to be viewed can be moved higher or lower on the display based on priority.
Can I change gas sensors in the field?	Yes. Gas sensors can be added, removed or replaced in the field at any time.



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If I purchase a Q-Trak XP monitor now, can I add gas sensors in the future?	Yes. Gas sensors are available for purchase individually and are user installed. Each sensor includes a factory calibration certificate.
Can I calibrate the sensors in the field?	Yes. All gas sensors and temperature, relative humidity and barometric pressure sensors can be field calibrated by the user. The PM sensor cannot be field calibrated and would need to be returned to the factory for service.
Where can I purchase calibration gases for my Q-Trak XP Indoor Air Quality Monitor?	There may be several local suppliers in your area to purchase gases for zero and span calibration. Search for “calibration gas suppliers” in your area, make sure the calibration gases include a certificate of concentration. The gas regulator flow rate should be 0.3 L/min.
How much data can be stored to memory?	On-board memory allows for a total of 73 million data points.
Can I pre-program locations and room names?	Yes. This can be done on the instrument at any time for multiple entries (facilities, buildings and rooms).
Does desktop software come with the Q-Trak XP monitor?	The latest software is available as a download from www.tsi.com .
Can the instrument software be updated in the field?	Yes. The latest software can be downloaded from the TSI® website onto a thumb drive which is then inserted in the instrument. The Help screen on the Q-Trak XP IAQ Monitor will display the software level to tap on to install. Reference the instrument operations manual for more detailed information.
What accessories are available for the Q-Trak XP monitor?	Wi-Fi® dongle, tripod mount battery door with tabletop tripod, and additional sensor module (with PM sensor, T, RH, BP and six open gas sensor slots).
Why is the module removable?	The module can be removed and sent back to the factory for service and replaced with a backup module to eliminate any downtime. Users may also want another module with a different set of sensors for alternate studies or investigations.
Is annual service and calibration required for the Q-Trak XP Indoor Air Quality Monitor?	TSI recommends the PM sensor be factory calibrated annually. All other sensors can be user calibrated in the field.
Do I need to send the entire instrument into TSI® for Service?	No. It is not necessary since all the sensors are contained in the removable module. The module and sensors can be returned for calibration and repair. The base handle does not contain any sensors and would only need to be returned for repair if damaged.



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