

ENERGY AND COMFORT

Indoor Air Quality Instruments



Model 7565

Features and Benefits

- Measures CO₂, temperature, humidity, and CO
- Calculates dew point, wet bulb and percent outside air
- Displays up to 5 measurements simultaneously
- One instrument with multiple plug-in probe options
- User-selectable logging intervals and start/stop times
- Store up to 38.9 days of data collected at one-minute log intervals
- TRAKPRO™ software provided for data logging, analysis and documenting results
- Perform single-point tests for quick building surveys

Easy to Use

The Q-TRAK 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 also features an ergonomic, overmolded case design and a keypad lockout to prevent tampering during unattended use.

Q-TRAK™ Indoor Air Quality Monitor

Model 7565

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. TSI's Q-TRAK IAQ Monitor provides quick, accurate information to assess key IAQ parameters.

Accurate Results

The Q-TRAK monitor's state-of-the-art sensors and large, easy-to-read graphics allow real-time, simultaneous display of CO₂ temperature, relative humidity, and CO.

Data Collection and Reporting

Expanded data logging capacity and the inclusion of TRAKPRO Data Analysis Software provides the capabilities to work more effectively and efficiently. The Q-TRAK can store up to 38.9 days of data collected at one-minute log intervals. The stored data can be recalled, reviewed on screen, and downloaded for easy reporting. TRAKPRO helps you to generate professional graphs for your reports.



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Specifications

Q-TRAK Model 7565 (includes Model 982 Probe)

Carbon Monoxide (IAQ Probe Model 982)

Sensor Type	Electro-chemical
Range	0 to 500 ppm
Accuracy ¹	±3% of reading or 3 ppm, whichever is greater
Resolution	0.1 ppm
Response Time	<60 seconds to 90% step change

Carbon Dioxide (IAQ Probe Models 980 and 982)

Sensor Type	Dual-wavelength NDIR (non-dispersive infrared)
Range	0 to 5,000 ppm
Accuracy ²	±3.0% of reading or ±50 ppm, whichever is greater
Resolution	1 ppm
Response Time	20 seconds

Temperature (IAQ Probe Models 980 and 982)

Sensor Type	Thermistor
Range	32 to 140°F (0 to 60°C)
Accuracy	±1.0°F (0.6°C)
Resolution	0.1°F (0.1°C)
Response Time	30 seconds (90% of final value, air velocity at 400 ft/min [2 m/s])

Relative Humidity (IAQ Probe Models 980 and 982)

Sensor Type	Thin-film capacitive
Range	0 to 95% RH
Accuracy ³	±3% RH
Resolution	0.1% RH
Response Time	20 seconds (for 63% of final value)

% Outside Air

Range	0 to 100%
Resolution	0.1%

Barometric Pressure

Range	20.36 to 36.648 in. Hg (517.15 to 930.87 mm Hg)
Accuracy	±2% of reading

Operating Temperature

40 to 113°F (5 to 45°C)

Storage Temperature

-4 to 146°F (-20 to 60°C)

Logging Capability

Range	Logs up to 56,035 data points with key (4) measured parameters enabled, 38.9 days at 1-minute log intervals
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Time Constants

1 sec, 5 sec, 10 sec, 20 sec, 30 sec (user selectable)

Log Intervals

1 second up to 1 hour (user selectable)

Meter Dimensions

3.8 in. × 8.3 in. × 2.1 in. (9.7 cm × 21.1 cm × 5.3 cm)

Probe Dimensions

Length	7.0 in. (17.8 cm)
Diameter	0.75 in. (1.9 cm)

Weight (with batteries)

0.8 lbs (0.36 kg)

Power Requirements

Four AA-size alkaline batteries or AC adapter, both included

	7565
Probe that measures CO, CO ₂ , temperature, and humidity	includes 982 probe
CO ₂	•
CO	•
Temperature	•
%RH, wet bulb, and dew point	•
%Outside air	•
Statistics	•
Review data	•
Optional plug-in probes	•
TRAKPro data analysis software	•
LogDat2 downloading software	•
Optional Bluetooth printer	•
Certificate of Calibration	•

¹ At 77°F (25°C). Add uncertainty of ±0.2%/°F (±0.36%/°C) away from calibrated temperature.

² At calibration temperature. Add uncertainty of ±0.28%/°F (0.5%/°C) for change in temperature.

³ At 77°F (25°C). Add uncertainty of ±0.03% RH/°F (±0.05% RH/°C) away from calibrated temperature.

Specifications are subject to change without notice.

Probe Specifications

Models 960, 962, 964, 966, 995, 496, 980, 982, 792 and 794

Thermoanemometer Probe Models		Range	Accuracy	Resolution	Probe Dimensions
	962	0 to 50 m/s (0 to 9,999 ft/min) -18 to 93°C (0 to 200°F)	±3% of reading or ±0.015 m/s (±3 ft/min), whichever is greater ^{4,5} ±0.3°C (±0.5°F) ⁶	0.01 m/s (1 ft/min) 0.1°C (0.1°F)	Length 101.6 cm (40 in.) Tip dia. 7.0 mm (0.28 in.) Base dia. 13.0 mm (0.51 in.) Articulating Section Length 15.2 cm (6 in.) Articulating Knuckle dia. 9.5 mm (0.38 in.)
	966	0 to 50 m/s (0 to 9,999 ft/min) -10 to 60°C (14 to 140°F) 0 to 95% RH	±3% of reading or ±0.015 m/s (±3 ft/min), whichever is greater ^{4,5} ±0.3°C (±0.5°F) ⁶ ±3% RH ⁷	0.01 m/s (1 ft/min) 0.1°C (0.1°F) 0.1% RH	Length 101.6 cm (40 in.) Tip dia. 7.0 mm (0.28 in.) Base dia. 13.0 mm (0.51 in.) Articulating Section Length 15.2 cm (6 in.) Articulating Knuckle dia. 9.5 mm (0.38 in.)
	960	0 to 50 m/s (0 to 9,999 ft/min) -18 to 93°C (0 to 200°F)	±3% of reading or ±0.015 m/s (±3 ft/min), whichever is greater ^{4,5} ±0.3°C (±0.5°F) ⁶	0.01 m/s (1 ft/min) 0.1°C (0.1°F)	Length 101.6 cm (40 in.) Tip dia. 7.0 mm (0.28 in.) Base dia. 13.0 mm (0.51 in.)
	964	0 to 50 m/s (0 to 9,999 ft/min) -10 to 60°C (14 to 140°F) 0 to 95% RH	±3% of reading or ±0.015 m/s (±3 ft/min), whichever is greater ^{4,5} ±0.3°C (±0.5°F) ⁶ ±3% RH ⁷	0.01 m/s (1 ft/min) 0.1°C (0.1°F) 0.1% RH	Length 101.6 cm (40 in.) Tip dia. 7.0 mm (0.28 in.) Base dia. 13.0 mm (0.51 in.)
Rotating Vane Probe Models		Range	Accuracy	Resolution	Probe Dimensions
	995	0.25 to 30 m/s (50 to 6,000 ft/min) 0 to 60°C (32 to 140°F)	±0.02 m/s (±1% of reading ±4 ft/min) ±1.0°C (±2.0°F)	0.01 m/s (1 ft/min) 0.1°C (0.1°F)	Diameter 100 mm (4 in.)
	496	0.50 to 15.00 m/s (100 to 3,000 ft/min) 0 to 60°C (32 to 140°F)	±0.02 m/s (±3% of reading ±4 ft/min) ±1.0°C (±2.0°F)	0.01 m/s (1 ft/min) 0.1°C (0.1°F)	Diameter 35 mm (1.5 in.)
IAQ Probe Models		Range	Accuracy	Resolution	Probe Dimensions
	980	0 to 5000 ppm CO ₂ 0 to 95% RH -10 to 60°C (14 to 140°F)	±3% of reading or ±50 ppm, whichever is greater ⁸ CO ₂ ±3% RH ⁷ ±0.5°F (±0.3°C) ⁶	1 ppm CO ₂ 0.1% RH 0.1°C (0.1°F)	Length 17.8 cm (7.0 in.) Diameter 1.9 cm (0.75 in.)
	982	0 to 500 ppm CO 0 to 5000 ppm CO ₂ 0 to 95% RH -10 to 60°C (14 to 140°F)	±3% of reading or ±3 ppm, whichever is greater ⁸ CO ±3% of reading or ±50 ppm, whichever is greater ⁸ CO ₂ ±3% RH ⁷ ±0.5°F (±0.3°C) ⁶	0.1 ppm CO 1 ppm CO ₂ 0.1% RH 0.1°C (0.1°F)	Length 17.8 cm (7.0 in.) Diameter 1.9 cm (0.75 in.)
Thermocouple Probe Models		Range	Accuracy	Resolution	Probe Dimensions
	792	-40 to 650°C (-40 to 1200°F)	±0.056% of reading +1.1°C (±0.1% of reading +2°F)	0.1°C (0.1°F)	Length 15.0 cm (6 in.) Diameter
	794	-40 to 650°C (-40 to 1200°F)	±0.056% of reading +1.1°C (±0.1% of reading +2°F)	0.1°C (0.1°F)	Length 15.0 cm (6 in.) Diameter

⁴ Temperature compensated over an air temperature range of 40 to 150°F (5 to 65°C).

⁵ The accuracy statement begins at 30 ft/min through 9,999 ft/min (0.15 m/s through 50 m/s).

⁶ Accuracy with instrument case at 77°F (25°C), add uncertainty of 0.05°F/°F (0.03°C/°C) for change in instrument temperature.

⁷ Accuracy with probe at 77°F (25°C). Add uncertainty of 0.1% RH/°F (0.2% RH/°C) for change in probe temperature. Includes 1% hysteresis.

⁸ At 77°F (25°C). Add uncertainty of ±0.2%/°F (0.36%/°C) for change in temperature.

⁹ At calibration temperature. Add uncertainty of ±0.28%/°F (0.5%/°C) for change in temperature.

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