

ENERGY AND COMFORT

Indoor Air Quality Instruments



Model 7565

### Features and Benefits

- Measures dew point, wet bulb and percent outside air
- Displays and data logs 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 temperature, relative humidity, CO<sub>2</sub> and CO. The user can even review previously stored data without interrupting a test in progress.

### 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.



TRUST. SCIENCE. INNOVATION.

## Specifications

### Q-TRAK Model 7565

#### CO<sub>2</sub>

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

#### Temperature

<b>Sensor Type</b>	Thermistor
<b>Range</b>	0 to 60°C (32 to 140°F)
<b>Accuracy</b>	0 to 60°C (32 to 140°F)
<b>Resolution</b>	0.1°C (0.1°F)
<b>Response Time</b>	30 seconds (90% of final value, air velocity at 2 m/s)

#### Relative Humidity

<b>Sensor Type</b>	Thin-film capacitive
<b>Range</b>	5 to 95% RH
<b>Accuracy<sup>2</sup></b>	±3% RH
<b>Resolution</b>	0.1% RH
<b>Response Time</b>	20 seconds
<b>Resolution</b>	0.1% RH
<b>Response Time</b>	20 seconds (for 63% of final value)

#### % Outside Air

<b>Range</b>	0 to 100%
<b>Resolution</b>	0.1%

#### CO

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

#### Operating Temperature

0 to 45°C (32 to 113°F)

#### Storage Temperature

-20 to 70°C (-4 to 158°F)

#### Logging Capability

<b>Range</b>	Logs up to 56,035 data points with all measured parameters enabled, 38.9 days at 1-minute log intervals
--------------	---

#### Time Constants

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

#### Log Intervals

1 second up to 1 hour (user selectable)

#### Log Intervals

1 second up to 1 hour (user selectable)

#### Meter Dimensions

117 mm × 208 mm × 48 mm (4.6 in. × 8.0 in. × 1.9 in.)

#### Probe Dimensions

<b>Length</b>	117 mm × 208 mm × 48 mm (4.6 in. × 8.0 in. × 1.9 in.)
<b>Diameter</b>	19 mm (0.74 in.)

#### Weight (with batteries)

0.53 kg (1.16 lbs)

#### Power Requirements

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

	7565
CO <sub>2</sub>	•
CO	•
Temperature	•
%RH, wet bulb, and dew point	•
Statistics	•
Optional plug-in probes	•
LogDat2 downloading software	•
Free Certificate of Calibration	•

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

<sup>2</sup> At 25°C (77°F). Add uncertainty of ±0.05% RH/°C (±0.03% RH/°F) away from calibrated temperature.

Specifications are subject to change without notice.

**TSI Incorporated** - 500 Cardigan Road, Shoreview, MN 55126-3996 USA

<b>USA</b>	<b>Tel:</b> +1 800 874 2811	<b>E-mail:</b> info@tsi.com	<b>Website:</b> www.tsi.com
<b>UK</b>	<b>Tel:</b> +44 149 4 459200	<b>E-mail:</b> tsiuk@tsi.com	<b>Website:</b> www.tsiinc.co.uk
<b>France</b>	<b>Tel:</b> +33 491 95 21 90	<b>E-mail:</b> tsifrance@tsi.com	<b>Website:</b> www.tsiinc.fr
<b>Germany</b>	<b>Tel:</b> +49 241 523030	<b>E-mail:</b> tsigmbh@tsi.com	<b>Website:</b> www.tsiinc.de
<b>Sweden</b>	<b>Tel:</b> +46 8 595 13230	<b>E-mail:</b> tsiab@tsi.com	<b>Website:</b> www.tsi.se
<b>India</b>	<b>Tel:</b> +91 80 41132470	<b>E-mail:</b> tsi-india@tsi.com	
<b>China</b>	<b>Tel:</b> +86 10 8260 1595	<b>E-mail:</b> tsibeijing@tsi.com	



TRUST. SCIENCE. INNOVATION.

Contact your local TSI Distributor or visit our website [www.tsi.com](http://www.tsi.com) for more detailed specifications.