





8306 Handheld Airborne Particle Counter

The Particles Plus 8306 Handheld Particle Counter measures 0.3 μm to 25.0 μm with a flow rate of 0.1 CFM (2.83 LPM).

Easy to configure, this instrument displays up to 6 user-selectable size channels as well as temperature and relative humidity. View data and generate ISO 14644-I, EU GMP Annex I or FS 209E reports on screen or via printer, USB key, real time through its versatile output options or export to Particles Plus data-download software. Particles Plus counters can be controlled and monitored remotely via web browser. The 8306 mass concentration mode approximates density in $\mu g/m^3$ and allows for density and refractive index corrections to ensure accuracy.

All Particles Plus counters meet ISO 21501-4 and JIS B9921. The 8306 ensures compliance with an on-board pulse height analyzer.

Features and Benefits

- Measures 0.3 μm to 25.0 μm
- 0.1 CFM (2.83 LPM) flow rate
- Long life laser diode technology
- Measures up to 6 channels of simultaneous data
- Approximates mass concentration in $\mu g/m^3$ with density and refractive index corrections
- Integrated handle for one-handed operation
- · Large easy-to-use icon driven color touch screen display
- Temperature and relative humidity probe included
- Stores up to 45,000 sample records, 1,000 sample locations and 50 recipes
- Annotation function allows user to save 32 character notations to a sample record
- Real-Time Meter for detecting particle contamination sources
- Easy configuration and transferable from instrument to instrument
- Connect using Ethernet, USB or (optional) Wireless 802.11 b/g, RS 485 or RS232
- Displays and externally prints reports for ISO 14644-1, EU GMP Annex 1 and FS 209E
- Internal audible alarm
- User-definable reports
- User-selectable channel sizes
- Complies with ISO 21501-4 and JIS B9921 standards
- Easy to clean and wipe down with minimal particle traps
- · Seamless integration into a facility monitoring system
- · Lightweight high-impact injection molded plastic enclosure
- 2 year warranty. Extended warranties available



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Specifications

Model 8306 Size Range 0.3 to 25µm

Factory calibrated at 0.3, 0.5, 1.0, 2.5, 5.0, 10.0 µm variable binning Size Channels

Flow rate 0.1 CFM (2.83 LPM)

Concentration Limit 4,000,000 Particles/ft3 @ 5% coincidence loss

Battery Run Time 10 hours

Light Source Long life laser diode

Counting Efficiency 50% @ 0.3 μ m; 100% for particles >0.45 μ m per JIS

Zero Count <1 count / 5 minutes (<2 particles/ft³) (per ISO 21501-4 & IIS)

Count Modes Automatic, manual, real-time meter, cumulative/differential, mass concentration, count or concentration

Count Alarms I to 9,999,999 counts

Calibration NIST traceable

4.3" (10.9 cm) WQVGA (480x272) color touch screen Display

Printer (Optional) External thermal printer

Vacuum Source Internal pump with automatic flow control

Filtered Exhaust Internal HEPA filter

Number of Channels

Custom Size Channels Calibration for custom size channels available

Audible Alarm Adjustable built-in alarm Battery Removable Li-ion

Battery Recharge Time 4 hours within instrument (<2 hours with external battery charger)

Reports ISO 14644-1, EU GMP Annex 1, FS 209E

Recipes 50 user-configurable recipes

Communication Modes Ethernet and USB

Wireless 802.11 b/g, RS485 or RS232 Optional Communication Mode

Includes temperature and relative humidity probe 32° to 122°F (0° to 50°C) ±1°F (0.5°C), **Environmental Sensor**

15-90% ±2% relative humidity

Alarm Alarms on counts for all particle sizes, low battery, sensor failure, environmental sensors and flow

Standards ISO 21501-4 and JIS B9921

Calibration Recommended minimum once per year External Surface High impact injection molded plastic

Dimensions $(L \times W \times H)$ $10" \times 5" \times 4.5"$ (25.4 cm x 12.9 cm x 11.4 cm) includes handle and does not include probes

Weight 2.2 lb (1.0 kg)

Accessories Quick start guide, operating manual on USB flash drive, isokinetic probe, temperature relative humidity sensor,

purge filter, battery, data download software, USB cable, power supply & cable

Optional Accessories Printed manual, carrying case, spare battery, external battery charger, external printer and isokinetic probes

Buffer Memory 45,000 sample records (rotating buffer) including particle count data, environmental data, locations

> and times. Scrollable on screen or printout Up to 1,000 locations 20 characters long

Sample Locations Sample Time I second to 99 hours

Power 110 to 240 VAC 50/60 Hz universal in-line power supply Operating Conditions 41° to 104°F (5° to 40°C) / 20% to 95% non-condensing Storage Conditions 32° to 122°F (0° to 50°C) / Up to 98% non-condensing

Warranty 2 Years. Extended warranties available.



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8303 Handheld Airborne Particle Counter

The Particles Plus 8303 Handheld Particle Counter measures 0.3 μm to 25.0 μm with a flow rate of 0.1 CFM (2.83 LPM).

Easy to configure, this instrument displays up to 3 user-selectable size channels as well as (optional) temperature and relative humidity. View data and generate ISO 14644-1, EU GMP Annex 1 or FS 209E reports. Export to Particles Plus data-software. The 8303 mass concentration mode approximates density in $\mu g/m^3$ and allows for density and refractive index corrections to ensure accuracy.

All Particles Plus counters meet ISO 21501-4 and JIS B9921. The 8303 ensures compliance with an on-board pulse height analyzer.

Features and Benefits

- Measures 0.3 µm to 25.0 µm
- 0.1 CFM (2.83 LPM) flow rate
- Long life laser diode technology
- Measures up to 3 channels of simultaneous data
- Approximates mass concentration in µg/m³ with density and refractive index corrections
- Integrated handle for one-handed operation
- · Large easy-to-use icon driven color touch screen display
- Stores up to 45,000 sample records, 1,000 sample locations and 50 recipes
- Annotation function allows user to save 32 character notations to a sample record
- Real-Time Meter for detecting particle contamination sources
- Easy configuration and transferable from instrument to instrument
- Connect using USB or (optional) Ethernet, Wireless 802.11 b/g
- Displays reports for ISO 14644-1, EU GMP Annex 1 and FS 209E
- Internal audible alarm
- User-definable reports
- User-selectable channel sizes
- Complies with ISO 21501-4 and IIS B9921 standards
- Easy to clean and wipe down with minimal particle traps
- Seamless integration into a facility monitoring system
- · Lightweight high-impact injection molded plastic enclosure
- I year warranty. Extended warranties available

Optional Features and Benefits

- Temperature and relative humidity probe
- Ethernet, Wireless 802.11 b/g, RS485 or RS232 output
- Additional 3 size channels
- External printer



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Specifications

Model 8303 Size Range 0.3 to 25μm

Size Channels Factory calibrated at 0.3, 0.5 and 5.0 µm with user-selectable middlesize channel

Flow rate 0.1 CFM (2.83 LPM)

Concentration Limit 4,000,000 Particles/ft³ @ 5% coincidence loss

Battery Run Time 10 hours

Light Source Long life laser diode

Counting Efficiency 50% @ 0.3 µm; 100% for particles >0.45 µm per JIS

Zero Count / 5 minutes (<2 particles / ft³) (per ISO 21501-4 & JIS)

Count Modes Automatic, manual, real-time meter, cumulative/differential, mass concentration, count or concentration

Count Alarms I to 9,999,999 counts

Calibration NIST traceable

Display 4.3" (10.9 cm) WQVGA (480x272) color touch screen

Printer (Optional) External thermal printer

Vacuum Source Internal pump with automatic flow control

Filtered Exhaust Internal HEPA filter

Number of Channels

Custom Size Channels Calibration for custom size channels available

Audible Alarm Adjustable built-in alarm
Battery Removable Li-ion

Battery Recharge Time 4 hours within instrument (<2 hours with external battery charger)

Reports ISO 14644-1, EU GMP Annex 1, FS 209E

Recipes 50 user-configurable recipes

Communication Modes USB

Optional Communication Mode Ethernet, Wireless 802.11 b/g, RS485 or RS232

Alarms on counts for all particle sizes, low battery, sensor failure, environmental sensors and flow

Standards ISO 21501-4 and JIS B9921

Calibration Recommended minimum once per year External Surface High impact injection molded plastic

Dimensions (L x W x H) 10" x 5" x 4.5" (25.4 cm x 12.9 cm x 11.4 cm) includes handle and does not include probes

Weight 2.2 lb (1.0 kg)

Accessories Quick start guide, operating manual on USB flash drive, isokinetic probe, purge filter, battery, data download

software, USB cable, power supply & cable

Optional Accessories Printed manual, carrying case, spare battery, external battery charger, external printer, isokinetic probes and

temperature relative humidity sensor,

Buffer Memory 45,000 sample records (rotating buffer) including particle count data, environmental data, locations

and times. Scrollable on screen or printout Up to 1,000 locations 20 characters long

Sample Locations Up to 1,000 locations 20

Sample Time I second to 99 hours

Power 110 to 240 VAC 50/60 Hz universal in-line power supply Operating Conditions 41° to $104^{\circ}F$ (5° to $40^{\circ}C$) / 20% to 95% non-condensing Storage Conditions 32° to $122^{\circ}F$ (0° to $50^{\circ}C$) / Up to 98% non-condensing

Warranty I Year. Extended warranties available.













7301-AQM and 7302-AQM Remote Airborne Particle Counter and Environmental Monitor (CO2, Temp, RH and TVOC)

The Particles Plus AQM Series Remote Particle Counter and Environmental Monitor measures 0.3 μ m to 25 μ m particles with mass concentration and stores indoor air quality measurements of temperature, relative humidity, CO2, and TVOC in the 7302-AQM. This instrument is the most versatile remote Air Monitor available, with advanced power management and the industry's first sleep mode, allowing for battery operation of periods that can exceed a month on a single charge. The AQM Series can be used as a stand-alone battery operated instrument or it can be easily integrated into a building automation and facility monitoring system via Ethernet, USB or (optional) Wireless 802.11 b/g, RS485 or RS232 connection.

The AQMs reports and displays 6 user-selectable particle size channels, as well as carbon dioxide (CO2), temperature, and relative humidity. The model 7302-AQM includes a PID Sensor for TVOC. The instrument monitors PMI, PM 2.5, PM5, PM 10 & TPM (and any other PM size value the user specifies) with an easy-to-use Channel Management control panel. The instrument also monitors flow, sensor status, date of last calibration, serial number, laser on-time, and date of manufacture for easy maintenance and warranty management.

User friendly field calibration for the integrated environmental sensors allows for single or dual point offsets, and ensures accuracy for air quality investigations. View data and generate environmental reports real-time on screen, via printer or USB key, or export to Particles Plus Instrument Management Software. Particles Plus instruments can be controlled and monitored remotely via web browser from any PC, tablet or smartphone supporting 20 concurrent user sessions.

The 7301-AQM and 7302-AQM store up to 45,000 time stamped particle count and environmental data records which provides data redundancy on every instrument.

The AQMs mass concentration mode approximates density in $\mu g/m^3$ and allows for density and refractive index corrections to ensure accuracy. All Particles Plus counters meet ISO 21501-4 and JIS B9921. The 7301-AQM ensures compliance and accuracy with an on-board pulse height analyzer.

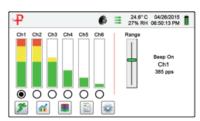
Features and Benefits

- Measures 0.3 μm to 25 μm
- 0.1 CFM (2.83 LPM) flow rate
- · Large easy-to-use icon driven color touch screen display
- Approximates mass concentration in μg/m³ and indicates simultaneous PM values
- User-selectable, adjustable particle channel sizes
- 7301-AQM measures CO2, temperature and relative humidity with user alarm set points.
 The 7302-AQM includes TVOC
- Stores up to 45,000 sample records, 1,000 sample locations and 50 recipes
- Connect using Ethernet, USB or (optional) Wireless 802.11 b/g, RS485 or RS232
- Static or dynamic IP address (DHCP) connects to a local network or the internet
- Seamless integration into a facility monitoring system with MODBUS RTU, ASCII or TCP
- · Included software permits remote operations, data management, diagnostics & more
- · Displays and externally prints information with optional printer
- · Internal audible alarm with user selectable thresholds for all environmental parameters
- Advanced power management allows for long battery operation and patented sleep mode
- · Easy configuration and transferable from instrument to instrument
- User friendly field calibration with single or dual point offsets for all sensors
- · Lightweight stainless steel enclosure
- Long life laser diode technology
- 2 year limited warranty, extended warranties available



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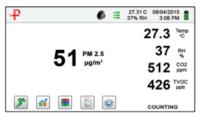
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Real-Time Meter™ Pinpoints Particle



Control, monitor & graph from a remote PC



Configurable Environmental Sensor Display



Simultaneous display of multiple PM Sizes

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Specifications

Size Channels Factory calibrated at 0.3, 0.5, 1.0, 2.5, 5.0, 10.0 µm variable binning Flow rate 0.1 CFM (2.83 LPM) Concentration Limit >10,000,000 Particles/ft² @ 10% coincidence loss Battery Run Time >9 hours (continuous sampling) Light Source Long life laser diode Counting Efficiency 50% @ 0.3 µm; 100% for particles >0.45 µm per JIS Zero Count <1 count / 5 minutes (<2 particles / ft²) (per ISO 2.1501-4 & JIS) Count Modes Automatic, manual, beep, cumulative/differential, mass concentration, count or concentration Count Alarms 1 to 9,999.99 counts Calibration NIST traceable Display 4.3" (10.9 cm) WQVGA (480x272) color touch screen Printer (Optional) Optional external thermal printer available. Prints in all available languages. Internal Yacuum Pump Internal HEPA filter Number of Channels Calibration for custom size channels available Adjustable built-in alarm Battery Removable Li-ion Battery Recharge Time A hours within instrument (>9 hours continuous sampling for PM) Communication Modes Chernet, USB Optional Communication Modes Wireless 802.11 b/g, RS485 or RS232 Environmental Sensors Includes NDIR CO2 (0.5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature and relative humidity probe 32" to 122"F (0" to 50"C) ±1"F (0.5"C), 15-90% ±2% relative humidity Environmental Sensors Includes NDIR CO2 (0.5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature and relative humidity probe 32" to 122"F (0" to 50"C) ±1"F (0.5"C), 15-90% ±2% relative humidity Environmental Sensors Includes NDIR CO2 (0.5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature and relative humidity probe 32" to 122"F (0" to 50"C) ±1"F (0.5"C), 15-90% ±2% relative humidity Environmental Sensors Includes NDIR CO2 (0.5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature and relative humidity sensor, pure sensor failure, environmental sensors and flow Standards ISO 2.150.4 and JIS 8992.1 Calibration Recommended minimum once per year E	Model	7301-AQM and 7302-AQM
Flow rate 0.1 CFM (2.83 LPM) Concentration Limit >10,000,000 Particles/ft² @ 10% coincidence loss Battery Run Time	Size Range	0.3 to 25µm
Concentration Limit >10,000,000 Particles/ft³ @ 10% coincidence loss Battery Run Time >9 hours (continuous sampling) Light Source Long life laser diode Counting Efficiency 50% @ 0.3 µm; 100% for particles >0.45 µm per JIS Zero Count <1 count / 5 minutes (<2 particles >0.45 µm per JIS) Count Modes Automatic, manual, beep, cumulative/differential, mass concentration, count or concentration Count Alarms 1 to 9,999,999 counts Calibration NIST traceable Display 4.3" (10.9 cm) WQVGA (480x272) color touch screen Printer (Optional) Optional external thermal printer available, Prints in all available languages. Internal Yacuum Pump Internal pump with automatic flow control Filtered Exhaust Internal HEPA filter Number of Channels 6 Custom Size Channels Adjustable built-in alarm Battery Removable Li-ion Battery Recharge Time 4 hours within instrument (>9 hours continuous sampling for PM) Ethernet, USB Optional Communication Modes Urieless 802.11 b/g, R\$485 or R\$232 Environmental Sensors Includes NDIR CO2 (0-5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature and relative humidity probe 32" to 122" f(0" to 50"C) ±1" f(0.5"C), 15-90% ±2% relative humidity Finvironmental Sensors Includes NDIR CO2 (0-5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature and relative humidity probe 32" to 122" f(0" to 50"C) ±1" f(0.5"C), 15-90% ±2% relative humidity Finvironmental Sensors Includes NDIR CO2 (0-5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature 302-AQM Includes NDIR CO2 (0-5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature 302-AQM Includes NDIR CO2 (0-5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature 302-AQM Includes NDIR CO2 (0-5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature 4 ppm, accuracy ±1% FS, Response rate 30 seconds Alarm Alarms on counts for all particle sizes, low battery, sensor failure, environmental	Size Channels	Factory calibrated at 0.3, 0.5, 1.0, 2.5, 5.0, 10.0 µm variable binning
Concentration Limit >10,000,000 Particles/ft³ @ 10% coincidence loss Battery Run Time >9 hours (continuous sampling) Light Source Long life laser diode Counting Efficiency 50% @ 0.3 µm; 100% for particles >0.45 µm per JIS Zero Count <1 count / 5 minutes (<2 particles >0.45 µm per JIS) Count Modes Automatic, manual, beep, cumulative/differential, mass concentration, count or concentration Count Alarms 1 to 9,999,999 counts Calibration NIST traceable Display 4.3" (10.9 cm) WQVGA (480x272) color touch screen Printer (Optional) Optional external thermal printer available, Prints in all available languages. Internal Yacuum Pump Internal pump with automatic flow control Filtered Exhaust Internal HEPA filter Number of Channels 6 Custom Size Channels Adjustable built-in alarm Battery Removable Li-ion Battery Recharge Time 4 hours within instrument (>9 hours continuous sampling for PM) Ethernet, USB Optional Communication Modes Urieless 802.11 b/g, R\$485 or R\$232 Environmental Sensors Includes NDIR CO2 (0-5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature and relative humidity probe 32" to 122" f(0" to 50"C) ±1" f(0.5"C), 15-90% ±2% relative humidity Finvironmental Sensors Includes NDIR CO2 (0-5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature and relative humidity probe 32" to 122" f(0" to 50"C) ±1" f(0.5"C), 15-90% ±2% relative humidity Finvironmental Sensors Includes NDIR CO2 (0-5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature 302-AQM Includes NDIR CO2 (0-5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature 302-AQM Includes NDIR CO2 (0-5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature 302-AQM Includes NDIR CO2 (0-5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature 4 ppm, accuracy ±1% FS, Response rate 30 seconds Alarm Alarms on counts for all particle sizes, low battery, sensor failure, environmental	Flow rate	0.1 CFM (2.83 LPM)
Battery Run Time >9 hours (continuous sampling) Light Source Long life laser diode Counting Efficiency 50% @ 0.3 µm; 100% for particles > 0.45 µm per JIS Zero Count <1 count / 5 minutes (<2 particles / ft²) (per ISO 21501-4 & JIS) Count Modes Automatic, manual, beep, cumulative/differential, mass concentration, count or concentration Count Alarms I to 9,999,999 counts Calibration NIST traceable Display 4.3" (10.9 cm) WQVGA (480x272) color touch screen Printer (Optional) Optional external thermal printer available. Prints in all available languages. Internal Vacuum Pump Internal pump with automatic flow control Filtered Exhaust Internal HEPA filter Number of Channels 6 Custom Size Channels Calibration for custom size channels available Audible Alarm Adjustable built-in alarm Battery Recharge Time 4 hours within instrument (>9 hours continuous sampling for PM) Communication Modes Ethernet, USB Optional Communication Modes Vireless 802.11 b/g, R\$485 or R\$232 Environmental Sensors Includes NIDIR CO2 (0-5000 ppm, resolution ppm, accuracy ±1 S Fs, Response rate 20 seconds), temperature	Concentration Limit	,
Light Source Counting Efficiency 50% @ 0.3 µm; 100% for particles > 0.45 µm per JIS Zero Count < 1 count / 5 minutes (<2 particles / ft²) (per ISO 21501-4 & JIS) Count Modes Automatic, manual, beep, cumulative/differential, mass concentration, count or concentration Count Alarms I to 9,999,999 counts Calibration NIST traceable Display 4.3" (10.9 cm) WQVGA (480x272) color touch screen Printer (Optional) Optional external thermal printer available. Prints in all available languages. Internal Yacuum Pump Internal pump with automatic flow control Filtered Exhaust Internal HEPA filter Number of Channels 6 Custom Size Channels Calibration for custom size channels available Audible Alarm Adjustable built-in alarm Battery Removable Li-ion Battery Recharge Time 4 hours within instrument (>9 hours continuous sampling for PM) Communication Modes Ethernet, USB Optional Communication Modes Wireless 802.1 I b/g, RS485 or RS232 Environmental Sensors Includes NDIR CO2 (0-5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature and relative humidity probe 32" to 122"F (0" to 50"C) ±1"F (0.5"C), 15-90% ±2% relative humidity Environmental Sensors Includes all sensors in the 7301-AQM and TVOC PID (standard on the 7302-AQM), 0-50 ppm / min. detection 1 level 5 pph, accuracy ±1.5%, Response rate <3 seconds Alarm Alarms on counts for all particle sizes, low battery, sensor failure, environmental sensors and flow Standards ISO 21501-4 and JIS B9921 Calibration Recommended minimum once per year Stxternal Surface Stailess steel Dimensions (L x W x H) 5.2" x 4.15" x 8.25" (13.3 cm x 10.5 cm x 21 cm) includes barb fittings Weight 4 Ib (1.8 kg) Accessories Quick start guide, operating manual on USB flash drive, isokinetic probe, temperature relative humidity sensor, purge filter, battery, Instrument Management Software, USB cable, power supply & cable Optional Accessories 4, 50,000 sample records (rotating buffer) including particle count data, environnental data, locations and times	Battery Run Time	>9 hours (continuous sampling)
Counting Efficiency 50% @ 0.3 µm; 100% for particles >0.45 µm per JIS Zero Count < count / 5 minutes (<2 particles / ft²) (per ISO 21501-4 & JIS) Count Modes	Light Source	, , ,
Zero Count Modes Automatic, manual, beep, cumulative/differential, mass concentration, count or concentration Count Modes Automatic, manual, beep, cumulative/differential, mass concentration, count or concentration Nist traceable Nist of the Sphage Sphag	Counting Efficiency	50% @ 0.3 μm; 100% for particles >0.45 μm per IIS
Count Modes Automatic, manual, beep, cumulative/differential, mass concentration, count or concentration Count Alarms I to 9,999,999 counts Calibration NIST traceable Display 4,3" (10.9 cm) WQVGA (480x272) color touch screen Printer (Optional) Optional external thermal printer available. Prints in all available languages. Internal Vacuum Pump Internal pump with automatic flow control Filtered Exhaust Internal HEPA filter Number of Channels 6 Custom Size Channels Calibration for custom size channels available Audible Alarm Adjustable built-in alarm Battery Removable Li-ion Battery Recharge Time 4 hours within instrument (>9 hours continuous sampling for PM) Communication Modes Ethernet, USB Optional Communication Modes Wireless 802.11 b/g, RS485 or RS232 Environmental Sensors Includes NDIR CO2 (0-5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature and relative humidity probe 32° to 12.2°F (0° to 50°C) ±1°F (0.5°C), 15-90% ±2% relative humidity Finitionmental Sensors Includes all sensors in the 7301-AQM and TVOC PID (standard on the 7302-AQM), 0-50 ppm / min. detection Alarm Alarms on counts for all particle si	,	
Count Alarms I to 9,999,999 counts Calibration NIST traceable Display 4.3" (10.9 cm) WQVGA (480x272) color touch screen Printer (Optional) Optional external thermal printer available. Prints in all available languages. Internal Vacuum Pump Internal pump with automatic flow control Filtered Exhaust Internal HEPA filter Number of Channels 6 Custom Size Channels Calibration for custom size channels available Audible Alarm Adjustable built-in alarm Battery Removable Li-loin Battery Rendarge Time 4 hours within instrument (>9 hours continuous sampling for PM) Ethernet, USB Optional Communication Modes Ethernet, USB Optional Communication Modes Environmental Sensors Includes NDIR CO2 (0-5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature 7301-AQM and relative humidity probe 32° to 12°F (0° to 50°C) ±1°F (0.5°C), 15-90% ±2% relative humidity Environmental Sensors Includes all sensors in the 7301-AQM and TVOC PID (standard on the 7302-AQM), 0-50 ppm /min. detection 1802-AQM level 5 ppb, accuracy ±1.5%, Response rate <3 seconds Alarm Alarms on counts for all particle sizes, low battery, sensor failure, environmental sensors and flow Standards ISO 21501-4 and JIS B9921 Calibration Recommended minimum once per year External Surface Stainless steel Dimensions (L x W x H) 5.2" x 4.15" x 8.25" (13.3 cm x 10.5 cm x 21 cm) includes barb fittings Weight 4 lb (1.8 kg) Accessories Quick start guide, operating manual on USB flash drive, isokinetic probe, temperature relative humidity sensor, purge filter, battery, Instrument Management Software, USB cable, power supply & cable Optional Accessories 45,000 sample records (rotating buffer) including particle count data, environmental data, locations and times Buffer Memory 45,000 sample records (rotating buffer) including particle count data, environmental data, locations and times	Count Modes	· · · · · · · · · · · · · · · · · · ·
Display 4.3" (10.9 cm) WQVGA (480x272) color touch screen Printer (Optional) Optional external thermal printer available. Prints in all available languages. Internal Vacuum Pump Internal pump with automatic flow control Filtered Exhaust Internal HEPA filter Number of Channels 6 Custom Size Channels Calibration for custom size channels available Audible Alarm Adjustable built-in alarm Battery Removable Li-ion Battery Recharge Time 4 hours within instrument (>9 hours continuous sampling for PM) Communication Modes Ethernet, USB Optional Communication Modes Wireless 802.11 b/g, RS485 or RS232 Environmental Sensors Includes NDIR CO2 (0-5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature 7301-AQM and relative humidity probe 32° to 122°F (0° to 50°C) ±1°F (0.5°C), 15-90% ±2% relative humidity Environmental Sensors Includes all sensors in the 7301-AQM and TVOC PID (standard on the 7302-AQM), 0-50 ppm / min. detection 120-AQM level 5 ppb, accuracy ±1.5%, Response rate <3 seconds Alarm Alarms on counts for all particle sizes, low battery, sensor failure, environmental sensors and flow Standards ISO 21501-4 and JIS 89921 Calibration Recommended minimum once per year External Surface Stainless steel Dimensions (L x W x H) 5.2" x 4.15" x 8.25" (13.3 cm x 10.5 cm x 21 cm) includes barb fittings Weight 4 Ib (1.8 kg) Accessories Quick start guide, operating manual on USB flash drive, isokinetic probe, temperature relative humidity sensor, purge filter, battery, Instrument Management Software, USB cable, power supply & cable Optional Accessories RS232/RS485 Connector, Printed manual, spare battery, external printer, isokinetic probes, AQM Field Calibration Cap for gas sensor & analytical calibration gases Buffer Memory 45,000 sample records (rotating buffer) including particle count data, environmental data, locations and times	Count Alarms	·
Printer (Optional) Optional external thermal printer available. Prints in all available languages. Internal Vacuum Pump Internal pump with automatic flow control Filtered Exhaust Internal HEPA filter Number of Channels 6 Custom Size Channels Calibration for custom size channels available Audible Alarm Adjustable built-in alarm Battery Removable Li-ion Battery Recharge Time 4 hours within instrument (>9 hours continuous sampling for PM) Communication Modes Ethernet, USB Optional Communication Modes Vireless 802.11 b/g, RS485 or RS232 Environmental Sensors Includes NDIR CO2 (0-5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature and relative humidity probe 32° to 122°F (0° to 50°C) ±1°F (0.5°C), 15-90% ±2% relative humidity Environmental Sensors Includes all sensors in the 7301-AQM and TVOC PID (standard on the 7302-AQM), 0-50 ppm / min. detection level 5 ppb, accuracy ±1.5% Response rate <3 seconds Alarm Alarms on counts for all particle sizes, low battery, sensor failure, environmental sensors and flow Standards ISO 21501-4 and JIS B9921 Calibration Recommended minimum once per year External Surface Stainless steel Dimensions	Calibration	NIST traceable
Printer (Optional) Optional external thermal printer available. Prints in all available languages. Internal Vacuum Pump Internal pump with automatic flow control Filtered Exhaust Internal HEPA filter Number of Channels 6 Custom Size Channels Calibration for custom size channels available Audible Alarm Adjustable built-in alarm Battery Removable Li-ion Battery Recharge Time 4 hours within instrument (>9 hours continuous sampling for PM) Communication Modes Ethernet, USB Optional Communication Modes Vireless 802.11 b/g, RS485 or RS232 Environmental Sensors Includes NDIR CO2 (0-5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature and relative humidity probe 32° to 122°F (0° to 50°C) ±1°F (0.5°C), 15-90% ±2% relative humidity Environmental Sensors Includes all sensors in the 7301-AQM and TVOC PID (standard on the 7302-AQM), 0-50 ppm / min. detection level 5 ppb, accuracy ±1.5% Response rate <3 seconds Alarm Alarms on counts for all particle sizes, low battery, sensor failure, environmental sensors and flow Standards ISO 21501-4 and JIS B9921 Calibration Recommended minimum once per year External Surface Stainless steel Dimensions	Display	4.3" (10.9 cm) WQVGA (480x272) color touch screen
Internal Pump Internal pump with automatic flow control Filtered Exhaust Internal HEPA filter Number of Channels 6 Custom Size Channels Calibration for custom size channels available Audible Alarm Adjustable built-in alarm Battery Removable Li-ion Battery Recharge Time 4 hours within instrument (>9 hours continuous sampling for PM) Communication Modes Ethernet, USB Optional Communication Modes Wireless 802.11 b/g, RS485 or RS232 Environmental Sensors Includes NDIR CO2 (0-5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature and relative humidity probe 32° to 122°F (0° to 50°C) ±1°F (0.5°C), 15-90% ±2% relative humidity Environmental Sensors Includes all sensors in the 7301-AQM and TVOC PID (standard on the 7302-AQM), 0-50 ppm / min. detection level 5 ppb, accuracy ±1.5%, Response rate <3 seconds Alarm Alarms on counts for all particle sizes, low battery, sensor failure, environmental sensors and flow Standards ISO 21501-4 and JIS B9921 Calibration Recommended minimum once per year External Surface Stainless steel Dimensions (L x W x H) 5.2" x 4.15" x 8.25" (13.3 cm x 10.5 cm x 21 cm) includes barb fittings Weight 4 b (1.8 kg) Accessories Quick start guide, operating manual on USB flash drive, isokinetic probe, temperature relative humidity sensor, purge filter, battery, Instrument Management Software, USB cable, power supply & cable Optional Accessories R232/RS485 Connector, Printed manual, spare battery, external printer, isokinetic probes, AQM Field Calibration Cap for gas sensor & analytical calibration gases Buffer Memory 45,000 sample records (rotating buffer) including particle count data, environmental data, locations and times	Printer (Optional)	
Number of Channels Custom Size Channels Calibration for custom size channels available Audible Alarm Adjustable built-in alarm Battery Removable Li-ion BatteryRecharge Time 4 hours within instrument (>9 hours continuous sampling for PM) Communication Modes Ethernet, USB Optional Communication Modes Optional Communication Modes Cinvironmental Sensors Optional Communication Modes Includes NDIR CO2 (0-5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature and relative humidity probe 32° to 122°F (0° to 50°C) ±1°F (0.5°C), 15-90% ±2% relative humidity environmental Sensors Includes all sensors in the 7301-AQM and TVOC PID (standard on the 7302-AQM), 0-50 ppm / min. detection level 5 ppb, accuracy ±1.5%, Response rate <3 seconds Alarm Alarms on counts for all particle sizes, low battery, sensor failure, environmental sensors and flow Standards ISO 21501-4 and JIS B9921 Calibration Recommended minimum once per year External Surface Dimensions (L x W x H) 5.2" x 4.15" x 8.25" (13.3 cm x 10.5 cm x 21 cm) includes barb fittings Weight 4 lb (1.8 kg) Accessories Quick start guide, operating manual on USB flash drive, isokinetic probe, temperature relative humidity sensor, purge filter, battery, Instrument Management Software, USB cable, power supply & cable Calibration Cap for gas sensor & analytical calibration gases Buffer Memory 45,000 sample records (rotating buffer) including particle count data, environmental data, locations and times	Internal Vacuum Pump	Internal pump with automatic flow control
Custom Size Channels Calibration for custom size channels available Audible Alarm Adjustable built-in alarm Battery Removable Li-ion Battery Recharge Time 4 hours within instrument (>9 hours continuous sampling for PM) Communication Modes Ethernet, USB Optional Communication Modes Wireless 802.11 b/g, RS485 or RS232 Environmental Sensors Includes NDIR CO2 (0-5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature 7301-AQM and relative humidity probe 32° to 122°F (0° to 50°C) ±1°F (0.5°C), 15-90% ±2% relative humidity Environmental Sensors Includes all sensors in the 7301-AQM and TVOC PID (standard on the 7302-AQM), 0-50 ppm / min. detection 7302-AQM level 5 ppb, accuracy ±1.5%, Response rate <3 seconds	Filtered Exhaust	Internal HEPA filter
Audible Alarm Adjustable built-in alarm Removable Li-ion Battery Recharge Time 4 hours within instrument (>9 hours continuous sampling for PM) Communication Modes Ethernet, USB Optional Communication Modes Wireless 802.11 b/g, RS485 or RS232 Environmental Sensors Includes NDIR CO2 (0-5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature r301-AQM and relative humidity probe 32° to 122°F (0° to 50°C) ±1°F (0.5°C), 15-90% ±2% relative humidity Environmental Sensors Includes all sensors in the 7301-AQM and TVOC PID (standard on the 7302-AQM), 0-50 ppm / min. detection level 5 ppb, accuracy ±1.5%, Response rate <3 seconds Alarm Alarms on counts for all particle sizes, low battery, sensor failure, environmental sensors and flow Standards ISO 21501-4 and JIS B9921 Calibration Recommended minimum once per year External Surface Stainless steel Dimensions (L x W x H) 5.2" x 4.15" x 8.25" (13.3 cm x 10.5 cm x 21 cm) includes barb fittings Weight 4 lb (1.8 kg) Accessories Quick start guide, operating manual on USB flash drive, isokinetic probe, temperature relative humidity sensor, purge filter, battery, Instrument Management Software, USB cable, power supply & cable Optional Accessories Buffer Memory 45,000 sample records (rotating buffer) including particle count data, environmental data, locations and times	Number of Channels	6
Battery Recharge Time 4 hours within instrument (>9 hours continuous sampling for PM) Communication Modes Ethernet, USB Optional Communication Modes Wireless 802.11 b/g, RS485 or RS232 Environmental Sensors Includes NDIR CO2 (0-5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature and relative humidity probe 32° to 122°F (0° to 50°C) ±1°F (0.5°C), 15-90% ±2% relative humidity promounts and relative humidity probe 32° to 122°F (0° to 50°C) ±1°F (0.5°C), 15-90% ±2% relative humidity promounts and relative humidity probe 32° to 122°F (0° to 50°C) ±1°F (0.5°C), 15-90% ±2% relative humidity promounts and relative humidity probe 32° to 122°F (0° to 50°C) ±1°F (0.5°C), 15-90% ±2% relative humidity promounts and relative humidity probe 32° to 122°F (0° to 50°C) ±1°F (0.5°C), 15-90% ±2% relative humidity promounts and relative humidity probe 32° to 122°F (0° to 50°C) ±1°F (0.5°C), 15-90% ±2% relative humidity promounts and relative humidity promounts and relative humidity sensors and flow standards and relative humidity sensors and flow barb fittings Standards ISO 21501-4 and JIS B9921 Calibration Recommended minimum once per year External Surface Stainless steel Dimensions (L x W x H) 5.2° x 4.15° x 8.25° (13.3 cm x 10.5 cm x 21 cm) includes barb fittings Weight 4 Ib (1.8 kg) Accessories Quick start guide, operating manual on USB flash drive, isokinetic probe, temperature relative humidity sensor, purge filter, battery, Instrument Management Software, USB cable, power supply & cable Optional Accessories RS232/RS485 Connector, Printed manual, spare battery, external printer, isokinetic probes, AQM Field Calibration Cap for gas sensor & analytical calibration gases Buffer Memory 45,000 sample records (rotating buffer) including particle count data, environmental data, locations and times	Custom Size Channels	Calibration for custom size channels available
Battery Recharge Time 4 hours within instrument (>9 hours continuous sampling for PM) Communication Modes Ethernet, USB Optional Communication Modes Wireless 802.11 b/g, RS485 or RS232 Environmental Sensors Includes NDIR CO2 (0-5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature 7301-AQM and relative humidity probe 32° to 122°F (0° to 50°C) ±1°F (0.5°C), 15-90% ±2% relative humidity Environmental Sensors Includes all sensors in the 7301-AQM and TVOC PID (standard on the 7302-AQM), 0-50 ppm / min. detection 1802-AQM level 5 ppb, accuracy ±1.5%, Response rate <3 seconds Alarm Alarms on counts for all particle sizes, low battery, sensor failure, environmental sensors and flow 150 21501-4 and JIS B9921 Calibration Recommended minimum once per year External Surface Stainless steel Dimensions (L x W x H) 5.2" x 4.15" x 8.25" (13.3 cm x 10.5 cm x 21 cm) includes barb fittings Weight 4 lb (1.8 kg) Accessories Quick start guide, operating manual on USB flash drive, isokinetic probe, temperature relative humidity sensor, purge filter, battery, Instrument Management Software, USB cable, power supply & cable Optional Accessories RS232/RS485 Connector, Printed manual, spare battery, external printer, isokinetic probes, AQM Field Calibration Cap for gas sensor & analytical calibration gases Buffer Memory 45,000 sample records (rotating buffer) including particle count data, environmental data, locations and times	Audible Alarm	Adjustable built-in alarm
Communication Modes Optional Communication Modes Wireless 802.11 b/g, RS485 or RS232 Environmental Sensors Includes NDIR CO2 (0-5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature 7301-AQM and relative humidity probe 32° to 122°F (0° to 50°C) ±1°F (0.5°C), 15-90% ±2% relative humidity Environmental Sensors Includes all sensors in the 7301-AQM and TVOC PID (standard on the 7302-AQM), 0-50 ppm / min. detection 7302-AQM level 5 ppb, accuracy ±1.5%, Response rate <3 seconds Alarm Alarms on counts for all particle sizes, low battery, sensor failure, environmental sensors and flow Standards ISO 21501-4 and JIS B9921 Calibration Recommended minimum once per year External Surface Stainless steel Dimensions (L x W x H) 5.2" x 4.15" x 8.25" (13.3 cm x 10.5 cm x 21 cm) includes barb fittings Weight 4 lb (1.8 kg) Accessories Quick start guide, operating manual on USB flash drive, isokinetic probe, temperature relative humidity sensor, purge filter, battery, Instrument Management Software, USB cable, power supply & cable Optional Accessories RS232/RS485 Connector, Printed manual, spare battery, external printer, isokinetic probes, AQM Field Calibration Cap for gas sensor & analytical calibration gases Buffer Memory 45,000 sample records (rotating buffer) including particle count data, environmental data, locations and times	Battery	Removable Li-ion
Optional Communication Modes Wireless 802.11 b/g, RS485 or RS232 Environmental Sensors Includes NDIR CO2 (0-5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature and relative humidity probe 32° to 122°F (0° to 50°C) ±1°F (0.5°C), 15-90% ±2% relative humidity Environmental Sensors Includes all sensors in the 7301-AQM and TVOC PID (standard on the 7302-AQM), 0-50 ppm / min. detection level 5 ppb, accuracy ±1.5%, Response rate <3 seconds Alarm Alarms on counts for all particle sizes, low battery, sensor failure, environmental sensors and flow Standards ISO 21501-4 and JIS B9921 Calibration Recommended minimum once per year External Surface Stainless steel Dimensions (L x W x H) 5.2" x 4.15" x 8.25" (13.3 cm x 10.5 cm x 21 cm) includes barb fittings Weight 4 lb (1.8 kg) Accessories Quick start guide, operating manual on USB flash drive, isokinetic probe, temperature relative humidity sensor, purge filter, battery, Instrument Management Software, USB cable, power supply & cable Optional Accessories RS232/RS485 Connector, Printed manual, spare battery, external printer, isokinetic probes, AQM Field Calibration Cap for gas sensor & analytical calibration gases Buffer Memory 45,000 sample records (rotating buffer) including particle count data, environmental data, locations and times	Battery Recharge Time	4 hours within instrument (>9 hours continuous sampling for PM)
Environmental Sensors Includes NDIR CO2 (0-5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature 7301-AQM and relative humidity probe 32° to 122°F (0° to 50°C) ±1°F (0.5°C), 15-90% ±2% relative humidity Environmental Sensors Includes all sensors in the 7301-AQM and TVOC PID (standard on the 7302-AQM), 0-50 ppm / min. detection 7302-AQM level 5 ppb, accuracy ±1.5%, Response rate <3 seconds Alarm Alarms on counts for all particle sizes, low battery, sensor failure, environmental sensors and flow Standards ISO 21501-4 and JIS B9921 Calibration Recommended minimum once per year External Surface Stainless steel Dimensions (L x W x H) 5.2" x 4.15" x 8.25" (13.3 cm x 10.5 cm x 21 cm) includes barb fittings Weight 4 lb (1.8 kg) Accessories Quick start guide, operating manual on USB flash drive, isokinetic probe, temperature relative humidity sensor, purge filter, battery, Instrument Management Software, USB cable, power supply & cable Optional Accessories RS232/RS485 Connector, Printed manual, spare battery, external printer, isokinetic probes, AQM Field Calibration Cap for gas sensor & analytical calibration gases Buffer Memory 45,000 sample records (rotating buffer) including particle count data, environmental data, locations and times	Communication Modes	Ethernet, USB
and relative humidity probe 32° to 122°F (0° to 50°C) ±1°F (0.5°C), 15-90% ±2% relative humidity Environmental Sensors Includes all sensors in the 7301-AQM and TVOC PID (standard on the 7302-AQM), 0-50 ppm / min. detection 7302-AQM level 5 ppb, accuracy ±1.5%, Response rate <3 seconds Alarm Alarms on counts for all particle sizes, low battery, sensor failure, environmental sensors and flow Standards ISO 21501-4 and JIS B9921 Calibration Recommended minimum once per year External Surface Stainless steel Dimensions (L x W x H) 5.2" x 4.15" x 8.25" (13.3 cm x 10.5 cm x 21 cm) includes barb fittings Weight 4 lb (1.8 kg) Accessories Quick start guide, operating manual on USB flash drive, isokinetic probe, temperature relative humidity sensor, purge filter, battery, Instrument Management Software, USB cable, power supply & cable Optional Accessories RS232/RS485 Connector, Printed manual, spare battery, external printer, isokinetic probes, AQM Field Calibration Cap for gas sensor & analytical calibration gases Buffer Memory 45,000 sample records (rotating buffer) including particle count data, environmental data, locations and times	Optional Communication Modes	Wireless 802.11 b/g, RS485 or RS232
Environmental Sensors Includes all sensors in the 7301-AQM and TVOC PID (standard on the 7302-AQM), 0-50 ppm / min. detection level 5 ppb, accuracy ± 1.5%, Response rate <3 seconds Alarm Alarms on counts for all particle sizes, low battery, sensor failure, environmental sensors and flow ISO 21501-4 and JIS B9921 Calibration Recommended minimum once per year External Surface Stainless steel Dimensions (L x W x H) 5.2" x 4.15" x 8.25" (13.3 cm x 10.5 cm x 21 cm) includes barb fittings Weight 4 lb (1.8 kg) Accessories Quick start guide, operating manual on USB flash drive, isokinetic probe, temperature relative humidity sensor, purge filter, battery, Instrument Management Software, USB cable, power supply & cable Optional Accessories RS232/RS485 Connector, Printed manual, spare battery, external printer, isokinetic probes, AQM Field Calibration Cap for gas sensor & analytical calibration gases Buffer Memory 45,000 sample records (rotating buffer) including particle count data, environmental data, locations and times	Environmental Sensors	Includes NDIR CO2 (0-5000 ppm, resolution 1 ppm, accuracy ±1% FS, Response rate 20 seconds), temperature
7302-AQM level 5 ppb, accuracy ± 1.5%, Response rate <3 seconds Alarm Alarms on counts for all particle sizes, low battery, sensor failure, environmental sensors and flow Standards ISO 21501-4 and JIS B9921 Calibration Recommended minimum once per year External Surface Stainless steel Dimensions (L x W x H) 5.2" x 4.15" x 8.25" (13.3 cm x 10.5 cm x 21 cm) includes barb fittings Weight 4 lb (1.8 kg) Accessories Quick start guide, operating manual on USB flash drive, isokinetic probe, temperature relative humidity sensor, purge filter, battery, Instrument Management Software, USB cable, power supply & cable Optional Accessories RS232/RS485 Connector, Printed manual, spare battery, external printer, isokinetic probes, AQM Field Calibration Cap for gas sensor & analytical calibration gases Buffer Memory 45,000 sample records (rotating buffer) including particle count data, environmental data, locations and times	7301-AQM	and relative humidity probe 32° to 122°F (0° to 50°C) ±1°F (0.5°C), 15-90% ±2% relative humidity
Alarms on counts for all particle sizes, low battery, sensor failure, environmental sensors and flow Standards ISO 21501-4 and JIS B9921 Calibration Recommended minimum once per year External Surface Stainless steel Dimensions (L x W x H) 5.2" x 4.15" x 8.25" (13.3 cm x 10.5 cm x 21 cm) includes barb fittings Weight 4 lb (1.8 kg) Accessories Quick start guide, operating manual on USB flash drive, isokinetic probe, temperature relative humidity sensor, purge filter, battery, Instrument Management Software, USB cable, power supply & cable Optional Accessories RS232/RS485 Connector, Printed manual, spare battery, external printer, isokinetic probes, AQM Field Calibration Cap for gas sensor & analytical calibration gases Buffer Memory 45,000 sample records (rotating buffer) including particle count data, environmental data, locations and times	Environmental Sensors	Includes all sensors in the 7301-AQM and TVOC PID (standard on the 7302-AQM), 0-50 ppm / min. detection
Standards ISO 21501-4 and JIS B9921 Calibration Recommended minimum once per year External Surface Stainless steel Dimensions (L x W x H) 5.2" x 4.15" x 8.25" (13.3 cm x 10.5 cm x 21 cm) includes barb fittings Weight 4 lb (1.8 kg) Accessories Quick start guide, operating manual on USB flash drive, isokinetic probe, temperature relative humidity sensor, purge filter, battery, Instrument Management Software, USB cable, power supply & cable Optional Accessories RS232/RS485 Connector, Printed manual, spare battery, external printer, isokinetic probes, AQM Field Calibration Cap for gas sensor & analytical calibration gases Buffer Memory 45,000 sample records (rotating buffer) including particle count data, environmental data, locations and times	7302-AQM	level 5 ppb, accuracy ±1.5%, Response rate <3 seconds
Calibration Recommended minimum once per year External Surface Stainless steel Dimensions (L x W x H) 5.2" x 4.15" x 8.25" (13.3 cm x 10.5 cm x 21 cm) includes barb fittings Weight 4 lb (1.8 kg) Accessories Quick start guide, operating manual on USB flash drive, isokinetic probe, temperature relative humidity sensor, purge filter, battery, Instrument Management Software, USB cable, power supply & cable Optional Accessories RS232/RS485 Connector, Printed manual, spare battery, external printer, isokinetic probes, AQM Field Calibration Cap for gas sensor & analytical calibration gases Buffer Memory 45,000 sample records (rotating buffer) including particle count data, environmental data, locations and times	Alarm	Alarms on counts for all particle sizes, low battery, sensor failure, environmental sensors and flow
External Surface Stainless steel Dimensions (L x W x H) 5.2" x 4.15" x 8.25" (13.3 cm x 10.5 cm x 21 cm) includes barb fittings Weight 4 lb (1.8 kg) Accessories Quick start guide, operating manual on USB flash drive, isokinetic probe, temperature relative humidity sensor, purge filter, battery, Instrument Management Software, USB cable, power supply & cable Optional Accessories RS232/RS485 Connector, Printed manual, spare battery, external printer, isokinetic probes, AQM Field Calibration Cap for gas sensor & analytical calibration gases Buffer Memory 45,000 sample records (rotating buffer) including particle count data, environmental data, locations and times	Standards	ISO 21501-4 and JIS B9921
Dimensions (L x W x H) 5.2" x 4.15" x 8.25" (13.3 cm x 10.5 cm x 21 cm) includes barb fittings Weight 4 lb (1.8 kg) Accessories Quick start guide, operating manual on USB flash drive, isokinetic probe, temperature relative humidity sensor, purge filter, battery, Instrument Management Software, USB cable, power supply & cable Optional Accessories RS232/RS485 Connector, Printed manual, spare battery, external printer, isokinetic probes, AQM Field Calibration Cap for gas sensor & analytical calibration gases Buffer Memory 45,000 sample records (rotating buffer) including particle count data, environmental data, locations and times	Calibration	Recommended minimum once per year
Weight 4 lb (1.8 kg) Accessories Quick start guide, operating manual on USB flash drive, isokinetic probe, temperature relative humidity sensor, purge filter, battery, Instrument Management Software, USB cable, power supply & cable Optional Accessories RS232/RS485 Connector, Printed manual, spare battery, external printer, isokinetic probes, AQM Field Calibration Cap for gas sensor & analytical calibration gases Buffer Memory 45,000 sample records (rotating buffer) including particle count data, environmental data, locations and times	External Surface	Stainless steel
Accessories Quick start guide, operating manual on USB flash drive, isokinetic probe, temperature relative humidity sensor, purge filter, battery, Instrument Management Software, USB cable, power supply & cable Optional Accessories RS232/RS485 Connector, Printed manual, spare battery, external printer, isokinetic probes, AQM Field Calibration Cap for gas sensor & analytical calibration gases Buffer Memory 45,000 sample records (rotating buffer) including particle count data, environmental data, locations and times	Dimensions $(L \times W \times H)$	$5.2^{\circ} \times 4.15^{\circ} \times 8.25^{\circ}$ (13.3 cm \times 10.5 cm \times 21 cm) includes barb fittings
purge filter, battery, Instrument Management Software, USB cable, power supply & cable Optional Accessories RS232/RS485 Connector, Printed manual, spare battery, external printer, isokinetic probes, AQM Field Calibration Cap for gas sensor & analytical calibration gases Buffer Memory 45,000 sample records (rotating buffer) including particle count data, environmental data, locations and times	Weight	4 lb (1.8 kg)
Optional Accessories RS232/RS485 Connector, Printed manual, spare battery, external printer, isokinetic probes, AQM Field Calibration Cap for gas sensor & analytical calibration gases Buffer Memory 45,000 sample records (rotating buffer) including particle count data, environmental data, locations and times	Accessories	Quick start guide, operating manual on USB flash drive, isokinetic probe, temperature relative humidity sensor,
Calibration Cap for gas sensor & analytical calibration gases Buffer Memory 45,000 sample records (rotating buffer) including particle count data, environmental data, locations and times		purge filter, battery, Instrument Management Software, USB cable, power supply & cable
Buffer Memory 45,000 sample records (rotating buffer) including particle count data, environmental data, locations and times	Optional Accessories	RS232/RS485 Connector, Printed manual, spare battery, external printer, isokinetic probes, AQM Field
· · · · · · · · · · · · · · · · · · ·		Calibration Cap for gas sensor & analytical calibration gases
	Buffer Memory	· · · · · · · · · · · · · · · · · · ·
Sample Time I second to 99 hours	Sample Time	I second to 99 hours
Power 110 to 240 VAC 50/60 Hz universal in-line power supply	Power	110 to 240 VAC 50/60 Hz universal in-line power supply
Operating Conditions 41° to 104°F (5° to 40°C) / 20% to 95% non-condensing	Operating Conditions	
Storage Conditions 32° to 122°F (0° to 50°C) / Up to 98% non-condensing	Storage Conditions	32° to 122°F (0° to 50°C) / Up to 98% non-condensing
Warranty 2 Year Limited Warranty. I-Year Limited Warranty for CO2 & TVOC Sensors	Warranty	2 Year Limited Warranty. I-Year Limited Warranty for CO2 & TVOC Sensors

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