B306 and **B506** Remote Airborne Particle Counters 0.1 CFM (2.83 LPM)



- Industry's highest concentration of 15,000,000 particles/ft³ @ 10% coincidence loss
- · Ideal for use in cleanrooms, industrial health and safety, and air quality applications
- >10 hours continuous operation on a fully charged battery
- Industry's first Sleep Mode and Power Conservation Mode with Intelligent Battery
- · The most comprehensive internal self-diagnostics of any remote particle counter
- Internet of Things (IoT) communication allows for network or cloud-based data options



The Airy Technology® B306 and B506 Remote Particle Counters measure 0.3 or 0.5 to 25.0 µm with a flow rate of 0.1 CFM (2.83 LPM). Easy to configure, these instruments display up to 6 user-selectable size channels as well as (optional) temperature and relative humidity. View data or export to Instrument Management Software (IMS). Airy Technology® counters can be controlled and monitored remotely via web browser.

The B306 and B506 can be used as stand-alone battery operated instruments or they can be easily integrated into a building automation and cleanroom management system via Ethernet, USB, or (optional) Wireless 802.11 b/g, RS-485 or RS-232.

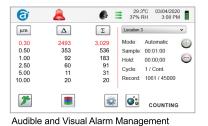
All Airy Technology® counters meet ISO 21501-4 and JIS B9921. The B306 and B506 ensure compliance with an on-board pulse height analyzer.

Features and Benefits

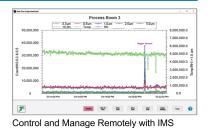
- B306: Measures 0.3 μm to 25 μm
- B506: Measures 0.5 μm to 25 μm
- 0.1 CFM (2.83 LPM) flow rate
- Long life laser diode technology
- · Measures up to 6 channels of simultaneous data
- Large easy-to-use icon driven color touch screen display
- · (Optional) temperature and relative humidity probe available
- Stores up to 45,000 sample records, 1,000 sample locations
- · Easy configuration and transferable from instrument to instrument
- Connect using Ethernet, USB or (optional) Wireless 802.11 b/g, RS-485 or RS-232
- Static or dynamic IP address (DHCP)
- Remote diagnostics allows for remote service investigation through the Internet
- Internal audible alarm with comprehensive alarm management
- 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 stainless steel enclosure
- 1 year limited warranty. Extended warranties available.

Specifications

Size Channels Factory calibrated at 0.3, 0.5, 1.0, 2.5, 5.0, 10.0 µm Variable binning - user defined channel sizes 50% @ 0.3 µm; 100% for particles > 0.50 pm Tactory calibrated at 0.5, 0.7, 1.0, 2.5, 5.0, 10.0 µm Variable binning - user defined channel sizes 50% @ 0.3 µm; 100% for particles > 0.50 pm Tactory calibrated at 0.5, 0.7, 1.0, 2.5, 5.0, 10.0 µm Variable binning - user defined channel sizes 50% @ 0.5 µm; 100% for particles > 0.75 µm per JIS 50% @ 0.5 µ	Models	B306	B506
Variable binning - user defined channel sizes	Size Range	0.3 to 25 μm	0.5 to 25 μm
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Storage Conditions 32° to 122°F (0° to 50°C) / Up to 98% non-condensing			







Icon Driven Menus for Ease-of-Use

WIFIANTENNA (OPTIONAL)

USER INTERFACE TOUCH SCREEN

POWER START/STOP

5.22"

TEMPERATURE/HUMIDITY
PROBE (OPTIONAL)

ISOKINETIC INLET PROBE

EXHAUST VENT

MODBUS RS-232/485
(OPTIONAL)

MODBUS TCP RJ-45
USB A
USB A
USB B

POWER (+15 VDC)
BATTERY ACCESS
LOCK PORT

PAT. https://particlepatents.com/ Additional Patents Pending.

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