

# Fluke 985 Airborne Particle Counter



Fluke 985



## Troubleshooting indoor air quality made easy

The Fluke 985 Particle Counter is ideal for troubleshooting and monitoring indoor air quality issues and verifying HVAC filter performance in critical locations. With its easy to read and fully configurable channel display, lightweight yet rugged form, and highly accurate measurements, the Fluke 985 is the perfect tool for the maintenance, HVAC, and IAQ professional.

- **Six channels and particle size range of 0.3 µm to 10.0 µm:** Assures accurate measurements even for critical locations requiring ISO Class 5 – 9 certification
- **Ultra-lightweight and ergonomic design:** Promises easy single-hand operation in tight or awkward spaces with less operator fatigue
- **Long battery life:** Ten hours of standard-use battery life to last a full work day
- **Large 8.9 cm (3.5 inch) QVGC color display:** Easy navigation and viewing with the intuitive icons and large font options
- **10000 record storage:** Quick access to historical data
- **On-screen data presentation:** Data can be viewed in a traditional tabular or trend graph view at the user's preference
- **Personalized setting and configurations:** Customizable settings for the display, sample methods, and alarm settings for sample count
- **Data export options:** Download data to a PC using a USB memory stick, USB cable or Ethernet connection. No special software is required to download or view data
- **Optional password control:** Confirms security when required
- **USB/Ethernet charge cradle:** Assures device is always ready to go when needed
- One-year warranty

Specifications	985
Channels	0.3 µm, 0.5 µm, 1.0 µm, 2.0 µm, 5.0 µm, 10.0 µm
Flow rate	2.83 L/min (0.1 cfm)
Light source	775 nm to 795 nm, 90mW class 3B laser
Count modes	Raw counts, #/m <sup>3</sup> , #/ft <sup>3</sup> , #/liter in Cumulative or Differential mode
Counting efficiency	50% @ 0.3 µm; 100% for particles > 0.45 µm (per ISO 21501)
Zero count	1 count/5 minute (JIS B9921)
Concentration limits	10% at 4000000 particles per ft <sup>3</sup> (per ISO 21501)
Data storage	10000 records (rotating buffer)
Alarms	Counts, low battery, sensor fail
Delay time	0 to 24 hours
Sample inlet	Isokinetic probe
Security	Administrator password control (optional)
Communication mode	USB or Ethernet
Calibration	PSL particles in air (NIST traceable)
Size (HxWxD)	27.2 × 9.9 × 5.3 cm (10.7 x 3.9 x 2.1 in)
Weight	0.68 kg (1.5 lb)
Power adapter	100 V AC to 240 V AC, 12 V DC, 2.5 A
Rechargeable battery	Li-ion 7.4 V 2600 mAh; 10 hours typical use (5 hours continuous sampling) / 3.5 hours
Operating environment	10° C to 40° C (50°F to 104°F) / < 95% RH, non-condensing
Storage environment	-10° C to 50° C (14°F to 122°F) /Up to 98% RH, non-condensing

## Specialty Model

### CO-220 Carbon Monoxide Meter

Measures CO levels in industrial environments and commercial or residential buildings where accumulation of combustion gas is possible.



- Stand-alone CO meter that does not require a digital multimeter
- Large backlit LCD displays CO levels from 0 ppm to 999ppm
- Beeper triggers with increasing frequency as CO levels rise
- MAX hold function stores and displays the maximum CO level
- Automatic sensor zeroing and self-test upon startup

### CO-205 Aspirator Kit

The CO-205 flue gas sampling accessory kit contains all the components necessary to provide a clean sample for the Fluke family of gas measuring devices.

The CO-205 Accessory Kit includes:

- Stainless steel sampling tube
- Industrial-grade hand operated aspirator to draw flue sample
- Easily replaceable particulate filter
- Specially designed nose cap for connection to the Fluke CO-220



## Included Accessories

**Fluke 985:** Cradle for charging and USB and Ethernet Communications, ENET Cat5e 7-foot Cable, USB A to Mini-B 6-foot Cable, 12V DC Power Supply, Zero Count Inlet-Filter, Filter Adapter, Sample Inlet Protective Cap, Hard Case, Getting Started Manual and User Manual (CD).

**Fluke CO-220:** C50 Soft Carrying Case and Battery.

## Ordering Information

- FLUKE-985** Particle Counter
- FLUKE-CO-220** Carbon Monoxide Meter
- FLUKE-CO-205** Aspirator Kit

Contact your local distributor for price and availability.  
[fluke.com/wtb](http://fluke.com/wtb)