

Indoor Air Quality / Condition Monitoring Instrument

➤ Fluke 985 Particle Counter

The Fluke 985 Particle Counter is the preferred choice for HVAC and IAQ professionals. From filter testing to IAQ investigations, the Fluke 985 is the portable solution for determining airborne particle concentrations. Use the Fluke 985 to immediately respond to occupant complaints, or as part of a comprehensive preventive maintenance program.

1. Fluke 985 Particle Counter



➤ **Key Features**

Assess air quality more easily and accurately.

- Six channels and particle size range of 0.3 - 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 3.5 QVGC Color display: Easy navigation and viewing with the intuitive icons and large font options
- 10,000 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
- Option password control: Confirms security when required
- USB/Ethernet charge cradle: Assures device is always ready to go when needed

• **Specifications: Fluke 985 Particle Counter**

Measured Specifications	
Channels	0.3 µm, 0.5 µm, 1.0 µm, 2.0 µm, 5.0 µm, 10.0 µm
Flow rate	0.1 cfm (2.83 L/min)
Light source	775 nm to 795 nm, 90 mW class 3B laser

Count modes	Raw counts, #/m ³ , #/ft ³ , #/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 4,000,000 particles per ft ³ (per ISO 21501)
Data storage	10,000 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 Etheret
Dimensions (L x W x D)	27.2 x 9.9 x 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
Calibration	PSL particles in air (NIST traceable)

Operating environment	50°F to 104°F (10°C to 40°C) / < 95% non-condensing relative humidity
Storage environment	14°F to 122°F (-10°C to 50°C)/Up to 98% non-condensing relative humidity
Warranty	One-year
Accessories included	Cradle for charging and convenient USB and Ethernet communications, ENET CAT5E 7 foot cable, USB-A to MINI-B 6 foot cable, 12 V dc power supply, zero count inlet- filter, filter adapter, sample inlet protective cap, hard case, getting started manual and users manual CD