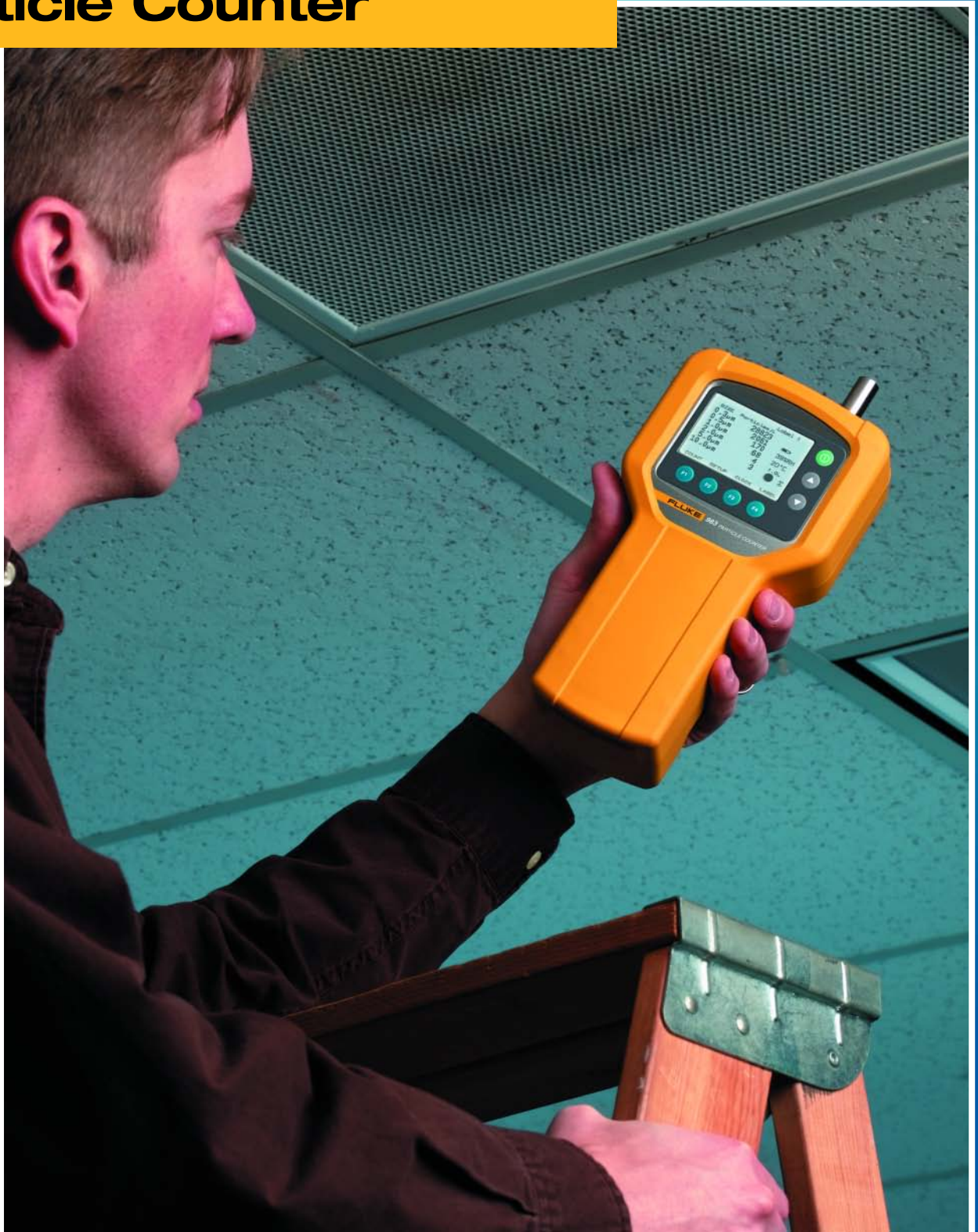


**FLUKE®**

# Fluke 983 Particle Counter



# New Fluke 983 Particle Counter: Indispensable for trouble- shooting air quality problems



## Expand into the IAQ market with the new Fluke 983 Particle Counter.

- **Help your customers save time and money** – The ready-to-use Fluke 983 with multi-channel particulate display provides answers quickly and accurately, without the downtime associated with fluid refills. Operations and maintenance users will see savings in doing their own IAQ pre-screening. With the Fluke five-day calibration return guarantee, your customers will enjoy more uptime and spend less on expensive rental units.
- **Expand your existing HVAC business** – Use the Fluke 983 to equip your existing HVAC base with a powerful tool for evaluating and improving air filtration.
- **Partner with Fluke** – The Fluke team will support you in growing your IAQ business with extensive IAQ market initiatives including lead generation and qualification.

## Innovative features with the HVAC / IAQ professional in mind

- Convenient six-channel particle size display
- Full feature set includes temperature and relative humidity capabilities
- Easy to use in any position, with no fluids to refill
- Greater data logging capacity, up to 5,000 data points, resulting in more time on the job before downloading

## Customer Market:

- **Certified Industrial Hygienists** who desire faster, more efficient, and user-friendly tools that support superior customer reporting
- **Operations and Maintenance** users who can save time and money by doing their own IAQ pre-screening
- **HVAC Contractors** who can tap into the growing IAQ market

## General specifications

<b>6 size channels</b>	0.3, 0.5, 1.0, 2.0, 5.0, 10.0 $\mu\text{m}$
<b>Flow rate</b>	0.1 cfm (2.83 L/min) controlled by internal pump
<b>Count modes</b>	Concentration, totalize, audio
<b>Counting efficiency</b>	50% @0.3 $\mu\text{m}$ ; 100% for particles > 0.45 $\mu\text{m}$ (per JIS B9921:1997)
<b>Zero count</b>	1 count/5 minute (JIS B9921:1997)
<b>Coincidence loss</b>	5 % at 2,000,000 particles per ft <sup>3</sup>
<b>Relative humidity</b>	$\pm 7$ %, 20 % to 90 % non-condensing
<b>Temperature</b>	$\pm 3$ °C, 10 °C to 40 °C (50 °F to 104 °F)
<b>Data storage</b>	5000 sample records (rotating buffer) of date, time, counts, relative humidity, temperature, sample volumes, alarms, label
<b>Alarms</b>	Counts, low battery, sensor fail
<b>Delay time</b>	0 to 24 hours
<b>Sample inlet</b>	Isokinetic probe
<b>Interface</b>	RS-232 and RS-485 via RJ-45
<b>Dimensions (W x L x D)</b>	11.43 cm x 20.96 cm x 5.72 cm (4.5 in x 8.25 in x 2.25 in)
<b>Weight</b>	1.0 kg (2.2 lbs)
<b>Environmental</b>	<b>Operating:</b> 10 °C to 40 °C (50 °F to 104 °F), 20 % to 90 % relative humidity, non-condensing <b>Storage:</b> -10 °C to 50 °C (14 °F to 122 °F), up to 90 % relative humidity, non-condensing
<b>Power</b>	AC adapter, 12 V dc at 2.5A, 90 to 250 V ac, 50 to 60 Hz
<b>Rechargeable Battery</b>	NiMH, 4.8 V at 4.5 Ah; replaceable
<b>Battery Live / Recharge Time</b>	8 hours / 2 hours
<b>Calibration</b>	PSL particles in air (NIST traceable)



## Ordering Information

To order products, contact you local Fluke representative.

Fluke Model #	Fluke Oracle #	UPC Code	Description	Height (Metric/English)	Length (Metric/English)	Width (Metric/English)	Weight (Metric/English)	Country of Origin
Fluke-983	2414646	0 95969 28697 8	Particle Counter	31.75 cm / 12.5 in.	15.88 cm / 6.25 in.	34.93 cm / 13.75 in.	3.8 kg / 8.4 lbs	USA
Fluke-CO-205	664714	0 95969 06181 0	Aspirator Kit	5.1 cm / 2.0 in.	27.18 cm / 10.7 in.	8.38 cm / 3.3 in.	0.27 kg / 0.6 lb	Canada
Fluke-CO-210	664706	0 95969 06179 7	Carbon Monoxide Probe	6.35 cm / 2.5 in.	21.59 cm / 8.5 in.	10.92 cm / 4.3 in.	0.45 kg / 1.0 lb	Canada
Fluke-CO-220	664711	0 95969 06180 3	Carbon Monoxide Meter	6.35 cm / 2.5 in.	23.88 cm / 9.4 in.	10.92 cm / 4.3 in.	0.45 kg / 1.0 lb	Canada

### Included with every Particle Counter

- Certificate of Calibration (NIST)
- Zero-count filter
- Isokinetic probe
- 1/8 in. hose barb adapter
- High-purity tubing
- DB9 to RS232 adapter and cable
- Hard molded plastic case
- Windows compatible software download utility

### Related Tools and Accessories

#### Fluke CO-220 Carbon Monoxide Meter

CO meter measures levels from 0 to 1000 ppm, with an audible signal triggered more frequently as CO levels rise. Used to detect dangerous CO leaks. CO-220 responds very quickly to ambient changes in carbon monoxide concentration without the use of a pump. Perfect for professionals who need to measure CO levels where the accumulation of combustion gas is possible.

#### Fluke CO-210 Carbon Monoxide Probe

Use as a standalone device or as an accessory to a digital multi-meter with dc millivolt inputs. The CO-210 displays CO level readings from 0 to 999 ppm, with a resolution of 1 ppm.

#### Fluke CO-205 Aspirator Kit

Gas sampling accessory kit containing all the components necessary for providing a clean sample for the Fluke family of gas measuring devices.



**Fluke CO-220**



**Fluke CO-210**



**Fluke CO-205**

**Promotional Tools**

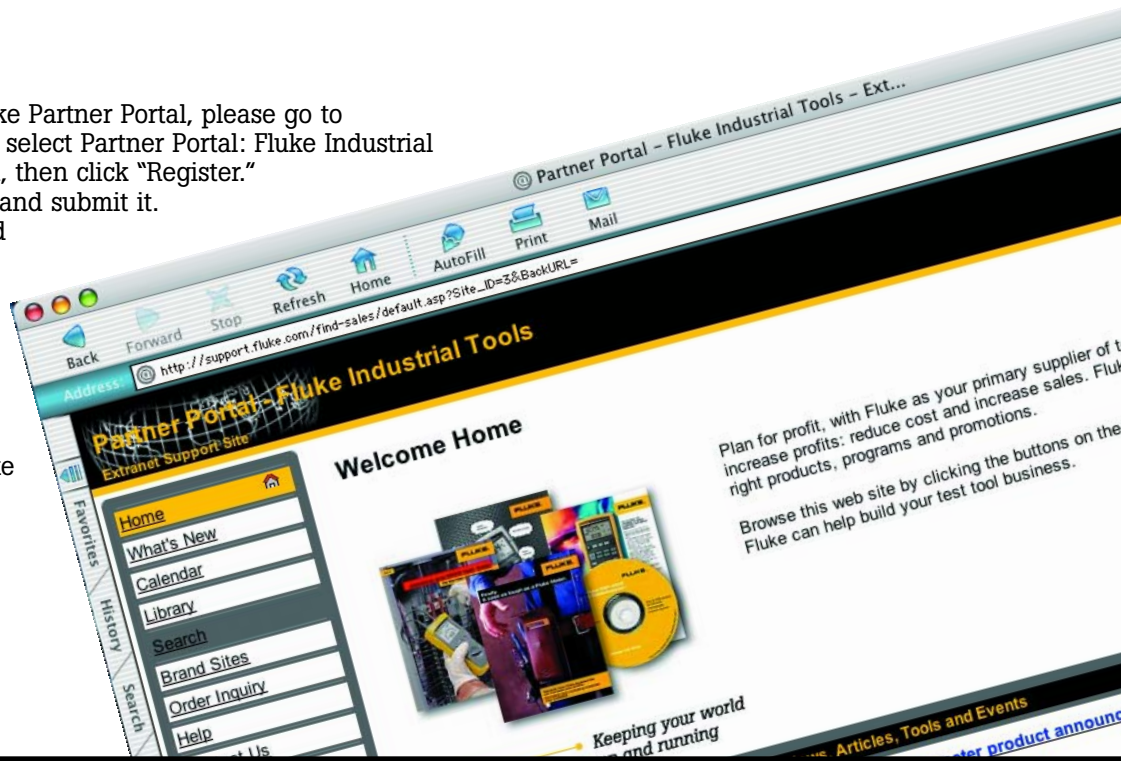
**Download digital files from the Fluke Partner Portal, including:**

- Product data sheets
- Press releases
- Photos

**Get the information you need to market these products instantly through the Partner Portal.**

Description	Literature Code
Fluke 983 Data Sheet	2423343
Fluke 983 Application Note	2425967
Fluke 983 Introduction CD-ROM (contains images, press release, and literature)	2425513

If you have not already registered for access to the Fluke Partner Portal, please go to <http://support.fluke.com> and select Partner Portal: Fluke Industrial Tools from the pull down menu, then click "Register." Complete the registration form and submit it. Your submittal will be approved within 48 hours, at which time you will receive a confirmation e-mail with a reminder of the user name and password you selected. Only Fluke distributors and sales staff, not end-user customers, may access the Fluke Partner Portal.



**Fluke. Keeping your world up and running.**

**Fluke Corporation**

PO Box 9090, Everett, WA USA 98206

Fluke Europe B.V.

PO Box 1186, 5602 BD

Eindhoven, The Netherlands

For more information call:

U.S.A. (800) 443-5853 or

Fax (425) 356-5116

Europe/Middle East/Africa (31 40) 2 678 200 or

Fax (31 40) 2 678 222

Canada (800) 36-FLUKE or

Fax (905) 890-6886

Other countries +1 (425) 356-5500 or

Fax +1 (425) 356-5116