

Indoor Air Quality Tools

FLUKE®

Easy-to-use tools to help you maintain environments



New Fluke 983 Particle Counter

The particle counter is an essential tool in the HVAC/IAQ professional's toolbox. From filter testing to basic IAQ investigations, the particle counter equips the user with valuable data concerning the concentration and source of particulates in the tested environment. The new Fluke 983 Particle Counter is the preferred choice for HVAC and IAQ professionals, measuring temperature and relative humidity as well as particle size. With expanded data logging and six-channel particle display, the Fluke 983 allows users to run more tests quickly, with less time spent cycling through screens to view the data. (See back page for more info)

Other IAQ tools from Fluke



CO-220 Carbon Monoxide Meter

The CO-220 Carbon Monoxide Meter makes it easy to take quick and accurate measurements of CO levels. A large, backlit LCD display shows CO levels from 0 to 1000 PPM. The MAX Hold function stores and displays the maximum CO level.

CO-210 Carbon Monoxide Probe

As an accessory to a digital multimeter with dc mV inputs. The Fluke CO-210 displays CO levels from 0 to 1000 PPM. As a standalone device, the LED indicator and beeper trigger with increasing frequency as the CO level rises.

CO-205 Aspirator Kit

Allows flue gas samples up to 371°C to be drawn with the CO-210 or CO-220 for carbon monoxide measurement.

983 Particle Counter

New



Fluke 983

Easy to use tool for troubleshooting and maintaining indoor air quality

The Fluke 983 Particle Counter simultaneously measures and displays six channels of particle size distribution, temperature and humidity. This compact, lightweight, self-contained tool allows for one-hand operation. As the 983 doesn't require level holding, it can make accurate measurements in any position. The 8 hour rechargeable battery together with a large 5000 sample record allows for complete air quality surveys in one go. The 983 is the ideal tool for determining size distribution of airborne particles or tracking down a particle source.

- Simultaneously measure and display 6 channel of particle sizes, temperature and humidity
- Measure particle size down to 0.3 µm
- Selectable sample time, count data, programmable delay
- Store 5000 records of date, time, counts, relative humidity, temperature, sample volumes, alarms and location label
- Upload stored data to a PC with included software
- Compact, self-contained package allows for one-hand operation
- Intuitive, easy to use user interface
- Always ready to run, with no fluids to refill
- Backlight LCD for use in any lighting condition
- 8 hour rechargeable NiMH battery
- Protective holster to survive field use

Specifications

6 size channels	0.3, 0.5, 1.0, 2.0, 5.0, 10.0 µm
Flow rate	0.1 cfm (2.83 L/min) controlled by internal pump
Count modes	Concentration, totalize, audio
Counting efficiency	50 % @ 0.3 µm; 100 % for particles > 0.45 µm (per JIS B9921:1997)
Zero count	1 count/5 minute (per JIS B9921:1997)
Coincidence loss	5 % at 2,000,000 particles per ft3
Relative humidity	± 7 %, 20 % to 90 %, non-condensing
Temperature	± 3 °C, 10 °C to 40 °C (50 °F to 104 °F)
Data storage	5000 sample records (rotating buffer) of date, time, counts, relative humidity, temperature, sample volumes, alarms, label
Alarms	Counts, low battery, sensor fail
Delay time	0 to 24 hours
Sample inlet	Isokinetic probe
Interface	RS-232 and RS-485 via RJ-45
Calibration	PSL particles in air (NIST traceable)

Operating temperature: 10 °C to 40 °C, 20 % to 90 % relative humidity, non-condensing

Storage temperature: -10 °C to 50 °C, up to 90 % relative humidity, non-condensing

Power: AC adapter, 90 to 250 V AC, 50 to 60 Hz

Battery life/recharge time: 8 hours/2 hours

Rechargeable battery: NiMH, 4.8V at 4.5 Ah; replaceable

Size (HxWxD): 209 mm x 114 mm x 57 mm

Weight: 1 kg

Warranty: 1 year

Fluke. Keeping your world up and running.

Ordering Information

Fluke 983 Particle Counter

Fluke Corporation

P.O. Box 9090
Everett, WA USA 98206

Fluke Europe B.V.

P.O. Box 1186
5602 BD Eindhoven
The Netherlands

Fluke (UK) Ltd.

52 Hurricane Way
Norwich
Norfolk
NR6 6JB
United Kingdom
Tel.: 0207 942 0700
Fax: 0207 942 0701
E-mail: industrial@uk.fluke.nl

For more information call:

In the U.S.A. (800) 443-5853
or Fax (425) 446 -5116
In Europe/M-East/Africa +31 (0)40 2 675 200
or Fax +31 (0)40 2 675 222
In Canada (905) 890-7600
or Fax (905) 890-6866
From other countries +1 (425) 446 -5500
or Fax +1 (425) 446 -5116
Visit us on the world wide web at:

<http://www.fluke.com>