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# Fluke 983 Particle Counter

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<b>Channels</b>	0.3, 0.5, 1.0, 2.0, 5.0, 10.0 µm
<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 µm; 100% for particles > 0.45 µm (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>	± 7%, 20% to 90% non-condensing
<b>Temperature</b>	± 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>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>Size</b>	11.43 cm x 20.96 cm x 5.72 cm (4.5 in x 8.25 in x 2.25 in) Dimensions (W x L x D)
<b>Weight</b>	1.0 kg (2.2 lbs)
<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 Life</b>	8 hours
<b>Recharge Time</b>	2 hours
<b>Calibration</b>	PSL particles in air (NIST traceable)