

Indoor Air Quality Meter Selection Guide



Models	Fluke 971	Fluke 922	Fluke 985	Fluke CO-220
Record storage	99	99	10,000	
Downloadable data	No	No	USB or Ethernet	No
Battery type	(4) AAA	(4) AA	Rechargeable Li-Ion 7.4 V 2600 mAh	(1) 9V
Warranty	2 years	2 years	1 year	1 year
Indoor air diagnostic applications				
Air velocity		•		
Air pressure		•		
Air flow (volume)		•		
Carbon dioxide				
Carbon monoxide				•
Temperature	•	•		
Humidity	•	•		
Dew point/wet bulb	•			
Particle concentration counting			•	
Air pressure/air velocity/air flow				
Air pressure range		±4000 Pascals/±16 in H ₂ O/±400 mm H ₂ O/±40 m bar/±0.6 psi		
Air pressure accuracy		±1% + 1 Pascal/±1% + 0.01 in H ₂ O/±1% + 0.1 mm H ₂ O/±1% + 0.01 m bar/±1% + 0.0001 psi		
Air velocity range		250 to 16,000 fpm/1 to 80 m/s		
Air velocity accuracy		±2.5% of reading at 2000 fpm (10.00 m/s)		
Air flow (volume) range		0 to 99,999 cfm		
Air flow (volume) accuracy		Accuracy is a function of velocity and duct size		
Temperature relative humidity				
Temperature range	-20°C to 60°C (-4°F to 140°F)	0°C to 50°C (32°F to 122°F)		
Temperature accuracy	0°C to 45°C (±0.5°C); -20°C to 0°C and 45°C to 60°C (±1.0°C)	0°C to 50°C (±.01°C)		
Relative humidity range	5% to 95% RH	0% to 90% RH		
Relative humidity accuracy	10% to 90% RH @ 23°C (±2.5% RH); < 10% or > 90% RH @ 23°C (±5.0% RH)	0% to 90% RH @ 23°C (±2.0% RH)		
Carbon dioxide/carbon monoxide				
Carbon dioxide range				
Carbon dioxide accuracy				
Carbon monoxide range				0 to 1000 ppm
Carbon monoxide accuracy				5% or ±2 PPM
Particle counting				
Flow rate			2.83 L/min (0.1 cfm)	
Particle size range			0.3 µm - 10.0 µm (6 channel)	
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)	
Concentration limits			10% @ 4,000,000 particles per ft ³ (per ISO 21501)	

Environmental Testing

