


















HVAC/Indoor Air Quality Selection Guide

	Air Composition					Thermal Imaging		
								
Model	983 Particle Counter	975 AirMeter™	922 Airflow Meter	CO-220 CO Detector	CO-210 CO Probe⁽¹⁾	971 Temperature Humidity Meter	TiR Series Thermal Imagers*	IR-InSight Infrared Imagers*
Description	Measure six particle sizes simultaneously	Measure temperature, humidity, CO ₂ , CO, Velocity with one tool	Combines air pressure, velocity and flow into one rugged, easy-to-use meter	Quickly test CO levels	Conveniently measure CO with this DMM accessory	Measure humidity faster, calculate wet bulb and dew point temperatures	Provides fast and easy precision temperature measurements	Low contrast thermal application imager
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Measurements								
Particle size	0.3, 0.5, 1.0, 2.0, 5.0, 10.0 µm							
Temperature	+40 °C (104 °F)	+50 °C (122 °F)	+50 °C (122 °F)			+60 °C (140 °F)	+600 °C (1112 °F)	+100 °C (212 °F)
Air velocity		50 fpm to 3000 fpm, 0.25 m/sec to 15 m/sec	250 fpm to 16,000 fpm, 1 m/sec to 80 m/sec					
CO ₂		5000 ppm						
CO		500 ppm		0 to 999 ppm	0 to 1000 ppm			
Optical resolution								
Relative humidity	20 % to 90 %	10 % to 90 %				5 % to 95 %		
Vacuum								
Pressure			± 4000 Pascals ± 16 in H ₂ O ± 400 mm H ₂ O ± 40 mbar ± 0.6 PSI					
Voltage ac/dc								
Current ac/dc								
Resistance								
Frequency								
Capacitance								
Conductance								
Data storage								
Data logging	5000 readings	99 readings (discrete), 25,000 readings (continuous)	99 readings			99 readings		
Min/Max/Avg		Yes/Yes/Yes	Yes/Yes/Yes	No/Yes/No		Yes/Yes/Yes		
Display Hold/Auto (Touch) Hold			Yes/No	Yes/No		Yes/No		

(1) Accessory for use with a digital multimeter with dc millivolt inputs.

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IR Temperature		TC Temperature		Pressure		HVAC Electrical Tools		
								
561 HVACPro IR Thermometer	62 Mini IR Thermometer	54 TC Thermometer	80PK-8 TC Clamp⁽¹⁾	PV350 Pressure/Vac⁽¹⁾	1AC II VoltAlert Voltage Detector	902 True-rms HVAC Clamp Meter	116 HVAC Multimeter	1587 Insulation Multimeter
Contact and non-contact temperature in one	Best accuracy in its class, perfect introduction to IR thermometers	Dual-temperature for ΔT across furnaces and coils	DMM accessory captures liquid and suction line temperatures	DMM accessory captures liquid and suction line pressure values	Non-contact voltage with audio alarm	Designed for HVAC, with temperature, dc microamps and capacitance	Basic DMM built for HVAC technicians	Insulation tester and true-rms digital multimeter in one
14	15	18	18	19	20	21	22	23
+550 °C (1022 °F)	+500 °C (932 °F)	+1767 °C (3212 °F) J, K, T, E, N, R, S	+149 °C (300 °F)			+400 °C (752 °F) K	+400 °C (752 °F) K	+537 °C (998 °F) K
12:1	10:1							
				76 cm Hg (406.7 in H ₂ O) 3447 kPa (499.9 psi)				
					600 V ac	600 V	600 V, 600 mV	1000 V
						600 A/200 μA	600 μA	400 mA
						9999 Ω	40 MΩ	50 MΩ
							50 kHz	100 kHz
						1000 μF	9999 μF	999 μF
		500 readings						
Yes/Yes/No	No/Yes/No	Yes/Yes/Yes				Yes/Yes/No	Yes/Yes/Yes	Yes/Yes/No
Yes/No	Yes/No					Yes/No	Yes/No	No/No

*Multiple models available to suit your specific needs.