

ST-8921

HVAC Superheat and Subcooling Analyzer

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Measures suction line or liquid line pressure and line temperature to calculate and display superheat and subcooling for A/C.

- R-22 or R-410A
- Digital LCD display in °F/°C
- Digital LCD displays pressure in PSI/kPa

Specifications	
Temperature	Range (temperature): -40°C to 204°C/-40°F to 400°F; Resolutions: 0.1°; Sensor type: Dual k-type thermocouple input; Accuracy: ±2°C/±3.6°F;
Pressure and vacuum	Working range (pressure): 0 to 500 psi; 0 to 4000 kPa Resolutions: 0.1psi or kPa, 0.1"Hg or cmHg vac. Accuracy: ±1 psi/±6.9 kPa; Sensor breakdown pressure: 800psi (5500 kPa)
Superheat:	Range (temperature): 0°F to 80°F; 0°C to 27°C Resolutions: 0.1°; Accuracy: ±2°C/±3.6°F;
Subcooling:	Range (temperature): 0°F to 80°F; 0°C to 27°C Resolutions: 0.1°; Accuracy: ±2°C/±3.6°F;

Size(HxWxD): 212mm x 78mm x 51mm
Weight: 338g
Accessories : 9V battery, K-type thermocouple, Gift box .



Model 8921

ST-8920/8920B Pressure and Flow Meters

Specifications			
Manometer			
Accuracy	±0.3%FSO (25°C)		
Repeatability	±0.2% (Max.±0.5% FSO)		
Linearity/Hysteresis	±0.29% FSO		
Pressure Range	±5000Pa		
Maximum Pressure	10psi		
Response Time	0.5 Seconds typical		
Over range Indicator	OL		
Under range Indicator	-OL		
Measurement	Units	Range	Resolution
	PSI	0.7252	0.0001
	mbar	50.00	0.01
	inH ₂ O	20.07	0.01
	mmH ₂ O	509.8	0.1
Pa	5000	1Pa (0.1Pa only 8920B)	
Air Velocity			
	Range	Resolution	Accuracy
m/s(meter per second)	1-80.000	0.001	±2.5% of reading at 10.00m/s
ft/min(feet per minute)	200-15733	1	Accuracy is function of velocity and duct size
km/h(kilometers per hour)	3.5-288.0	0.1	
MPH(miles per hour)	2.25-178.66	0.01	
Knots(nautical miles per hour)	2.0-154.6	0.1	
Air Flow			
	Range	Resolution	
CFM	0-99.999ft ³ /min	0.0001 to 100	
CMM	0-99.999m ³ /min	0.001 to 100	
Temperature			
	Range	Resolution	Accuracy
°C	0 to 50.0°C	0.1	±1.0°C
°F	32.0 to 122.0°F	0.1	±2.0°F

Size(HxWxD): 212mm x 78mm x 51mm
Weight: 338g
Accessories : 9V battery, USB cable, software, pitot tube, AC adaptor, Gift box with carrying case.

CE
EMC
EN: 61326



Model 8920