

Air Flow, Humidity, and Pressure Testers

575C1, 597C1, & 621C3



575C1



597C1



621C3

SPECIFICATIONS

575C1	
Air Velocity	Vane: 80 to 4900 ft/min; Hotwire: 40 to 3900 ft/min
Air Velocity Accuracy	Vane: $\pm(2\% \text{ of rdg} + 3 \text{ digits})$; Hotwire: $\pm(5\% \text{ of rdg} + 3 \text{ digits})$
Temperature Range	-20° to 80°C (-5°F to 175°F)
Temperature Accuracy	$\pm(1\% \text{ of rdg} + 1^\circ\text{F} + 3 \text{ digits})$
Operating Temp (base unit)	0° to 50°C (32° to 122°F)
Operating Humidity (base unit)	<80% RH noncondensing
597C1	
Relative Humidity	0 to 100%
RH Accuracy	<20°C $\pm(5\% \text{ of reading} + 1\% \text{ RH})$ @20-80% RH; >20°C $\pm(2\% \text{ of reading} + 1\% \text{ RH})$ @20-80% RH
Temperature Range	-40° to 80°C (-40°F to 176°F)
Temperature Accuracy	$\pm(0.5\% \text{ of rdg} + 1^\circ\text{F} + 3 \text{ digits})$
Operating Temp (base unit)	0° to 50°C (32° to 122°F)
Operating Humidity (base unit)	<90% RH noncondensing
621C3	
Ranges	$\pm 120 \text{ inH}_2\text{O}$; $\pm 300 \text{ mbar}$; $\pm 30 \text{ kPa}$; $\pm 5 \text{ psi}$; $\pm 3000 \text{ mmH}_2\text{O}$; $\pm 220 \text{ mmHg}$; $\pm 9 \text{ inHg}$
Resolution	0.001 inH ₂ O
Accuracy	< $\pm 30 \text{ inH}_2\text{O} \pm(0.2\% \text{ of full scale})$ > $\pm 30 \text{ inH}_2\text{O} \pm(1.0\% \text{ of full scale})$
Overpressure	200 inH ₂ O
Power Supply	9V battery
Operating Temp (base unit)	0° to 40°C (32° to 104°F)
Operating Humidity (base unit)	<80% RH noncondensing
Storage Temp (base unit)	-10° to 50°C (14° to 122°F)

All products include a one year warranty on probes and leads, a two year warranty on sensors, and a three year warranty on meters.

575C1 Anemometer

- Easy air temperature measurement while measuring airflow
- Uses both hotwire and vane type probes
- RS-232 port
- Record and recall minimum, maximum, and average readings
- Multiple measuring units: m/s, km/h, ft/min, knots, and mile/h

597C1 Hygrometer/Psychrometer

- Allows measurements of humidity, temperature, dew point and wet bulb temperatures
- Data record function for max. and min. temperature and humidity readings
- RS-232 output

621C3 Pressure Kit

- Temperature compensated for maximum accuracy
- Test air flow, static pressure drop, and draft pressure
- Multiple measuring units: in H₂O, mbar, kPa, mm H₂O, mm Hg, and in Hg
- Trim mode dampens surges

APPLICATIONS



ORDERING INFORMATION



MODEL	MFG PART #	DESCRIPTION	CE	RoHS
U003-0007	575C1	Combo Vane and Hotwire Anemometer	●	●
U003-0008	597C1	Hygrometer/Psychrometer	●	●
U003-0006	621C3	Dual Input Manometer	●	●