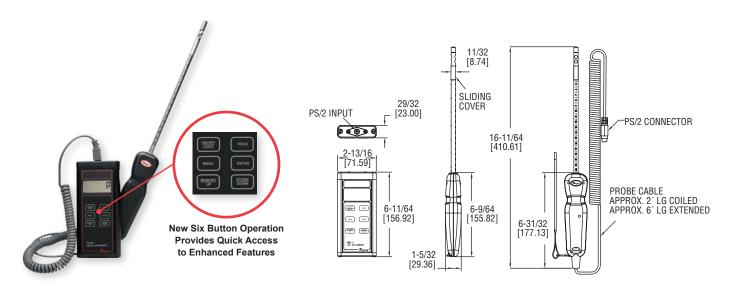


# THERMO-ANEMOMETER TEST INSTRUMENT

Measures Air Velocity or Air Volume and Temperature Simultaneously





The MODEL 471B Thermo-Anemometer Test Instrument is a versatile dual function unit that quickly and easily measures air velocity or volumetric flow as well as air temperature in imperial or metric units. A stainless steel probe is included, which has a comfortable hand grip and etched insertion depth marks. The extruded aluminum housing fully protects electronics, yet is lightweight and comfortable to hold.

## **FEATURES/BENEFITS**

- Compatible with Dwyer RP1 thermo-hygrometer and VP1 100 mm vane thermoanemometer probes (sold separately)
- · High contrast and backlit LCD for visibility in any condition
- · Able to store up to 99 readings
- · Integral sliding cover protects probe sensors when not in use
- · Built-in volumetric air flow calculations

#### **APPLICATIONS**

- · Duct traverses
- · HVAC inspections
- · Testing and balancing

MODEL CHART		
Model	Description	
471B-1	Digital thermo anemometer includes 9V battery, sensing probe,	
	wrist strap, soft carrying case and instructions	

ACCESSORIES - CASES				
Model	Description			
UHH-C1	Spare soft carrying case			
A-160-CASE	Hard carrying case for longer probes (18" to 36")			
A-47X-BOOT	Protective magnetic rubber boot			

ACCESSORIES - PROBES			
Model	Probe Length	Description	
AP1	8″	Thermo anemometer air velocity & temperature probe with coiled cable	
AP1-18	18″	Thermo anemometer air velocity & temperature probe with coiled cable	
AP1-24	24"	Thermo anemometer air velocity & temperature probe with coiled cable	
AP1-36	36″	Thermo anemometer air velocity & temperature probe with coiled cable	

### **SPECIFICATIONS**

Service: Air velocity and temperature of clean, dry air.

Temperature Limits: Process air velocity: -20 to 212°F (-29 to 100°C); Process temperature: -40 to 212°F (-40 to 100°C); Ambient: 5 to 125°F (-15 to

Display: 4.5 digit LCD. Resolution: 0.1%, 0.1 °F/°C.

Range Air Velocity: 0 to 6000 FPM (0 to 30 m/s).

Accuracy Air Velocity: ±3% FS within temperature range of 40 to 90°F (4 to

Range Volumetric Air Flow: 19,999 in selected flow units.

Range Temperature: -40 to 212°F (-40 to 100°C).

Accuracy Temperature: ±0.5°F (±0.28°C) from 32 to 122°F (0 to 50°C); ±1.5°F (±0.83°C) from -40 to 32°F (-40 to 0°C) & 122 to 212°F (50 to 100°C). Probe Length: 8" (203 mm) insertion. Cable Length: 28" (71 cm) retracted, 6 ft (183 cm) extended.

Power Requirements: 9 V alkaline battery, installed non-functional, user

replaceable.

Weight: 16 oz (454 g). Agency Approvals: CE.







**Soft Carrying Case** 



Included with Every Unit (Manometer not included)