



Series  
471

# Digital Thermo-Anemometer

Four Field Selectable Ranges from 500 to 15,000 FPM

Air Velocity



The Series 471 Digital Thermo Anemometers are versatile dual function instruments that quickly and easily measure air velocity in four field selectable ranges, in either feet per minute or meters per second, plus air temperature in °F or °C. High contrast LCD display shows both range selected and present velocity. Convenient backlight provides perfect visibility in low light conditions. Light automatically shuts off after 2-1/2 minutes to prolong battery life. Low battery warning is included.

Stainless steel probe with comfortable hand grip is etched with insertion depth marks from 0-8 inches and 0-20 cm on the Model 471-1. When fully extended, the probe length on models 471-2 and 471-3 reach 33 inches (83 cm). Model 471-3 features a telescoping bendable probe for easy access in hard-to-reach locations.

Extruded aluminum housing fully protects electronics, yet is lightweight and comfortable to hold even when taking multiple readings as part of duct traverses. An integral sliding cover protects sensors when not in use.

Standard accessories are 9 volt alkaline battery, wrist strap, custom fitted carrying case and step drill for making duct holes from 3/16" to 1/2".

## SPECIFICATIONS

### AIR VELOCITY SPECIFICATIONS:

**Service:** Air.

**Range:** Field Selectable 0-500, 0-1500, 0-5000, 0-15000 FPM (see chart for Metric Conversions).

**Accuracy:** Depending on range (See chart) @ 59 to 86°F (15 to 30°C). Outside this range add 0.11% per °F (0.2% per °C).

**Temperature Limits:** Probe: 0 to 200°F (-18 to 100°C).

**Ambient:** 32 to 104°F (0 to 40°C).

**Display:** 4-1/2 Digit 0.4" High.

**Resolution:** 1 FPM / 0.1 MPS.

**Response Time:** 15 Seconds.

**Power Requirements:** 9 volt alkaline battery, included.

**Probe:** 5/16" (8.13 mm) diameter probe with integral hand grip and 6 ft. (15.2 cm) coiled cord. Length of probe: Model 471-1 = 10" (25.4 cm); Models 471-2 and 471-3 = 33" (83 cm) extended.

**Weight:** 12 oz (340 g).

### TEMPERATURE SPECIFICATIONS:

**Range:** 0 to 200°F (-18 to 100°C).

**Accuracy:** ±2°F (1°C).

**Temperature Limits:** Probe: 0 to 200°F (-18 to 100°C).

**Ambient:** 32 to 104°F (0 to 40°C).

**Display:** 4-1/2 Digit 0.4" high.

**Resolution:** 0.1°.

**Response Time:** 30 Seconds.

Note: Ranges are field selectable.

Range Number	Velocity, FPM	Velocity, MPS	Accuracy
1	0-500	0-3.0	±3% F.S.
2	0-1500	0-7.0	±3% F.S.
3	0-5000	0-30	±4% F.S.
4	0-15000	0-75	±5% F.S.

**Model 471-1,** Digital Thermo Anemometer includes battery, wrist strap, 6-step drill, carrying case and instructions.

**Model 471-2,** Digital Thermo Anemometer with telescoping probe includes battery, wrist strap, 6-step drill, carrying case and instructions.

**Model 471-3,** Digital Thermo Anemometer with telescoping bendable tip includes battery, wrist strap, 6-step drill, carrying case and instructions.