



Series  
471

# Digital Thermo-Anemometer

Three Models, Four Selectable Ranges,  $\pm 3\%$  Full Scale Accuracy.



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  $^{\circ}\text{F}$  or  $^{\circ}\text{C}$ . 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 $\frac{1}{2}$  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  $\frac{3}{16}$ " to  $\frac{1}{2}$ ".

**Note:** All models feature all ranges.

Range Number	Velocity, FPM	Velocity, MPS	Accuracy
1	0-500	0-3.0	$\pm 3\%$ F.S.
2	0-1500	0-7.0	$\pm 3\%$ F.S.
3	0-5000	0-30	$\pm 4\%$ F.S.
4	0-15000	0-70	$\pm 5\%$ F.S.

## PHYSICAL DATA

### Specified Accuracy Temperature Limits:

59 to 86 $^{\circ}\text{F}$  (15-30 $^{\circ}\text{C}$ ). Outside this range add 0.11% per  $^{\circ}\text{F}$  (0.2% per  $^{\circ}\text{C}$ )

**Flow Temperature Range:** 32-200 $^{\circ}\text{F}$ , 0-100 $^{\circ}\text{C}$

## TEMPERATURE MEASUREMENT:

0 to 200 $^{\circ}\text{F}$ , -18 to 100 $^{\circ}\text{C}$

**Temperature Accuracy:**  $\pm 2^{\circ}\text{F}$ , 1 $^{\circ}\text{C}$ .

**Resolution:** 0.1 $^{\circ}$

**Ambient Temperature Limits:** 32 to 104 $^{\circ}\text{F}$ , 0-40 $^{\circ}\text{C}$

**Storage Temperature Limits:** -40 to 176 $^{\circ}\text{F}$ , -40 to 80 $^{\circ}\text{C}$

**Probe:**  $\frac{5}{16}$ " [8.13 mm] diameter probe with integral hand grip and 6ft. [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.

**Power Source:** 9 volt alkaline battery, included

**Housing Size:** 6 $\frac{9}{16}$ "H x 2 $\frac{13}{16}$ "W x 2 $\frac{9}{32}$ "D (166 x 71 x 23 mm)

**Weight, Battery Included:** 12 ounces (340 grams)

**Carrying Case:** 2 $\frac{3}{8}$ "H x 13 $\frac{1}{2}$ " W x 10 $\frac{1}{2}$ "D (60 x 343 x 267 mm)

## STOCKED MODELS

### 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.....