



Specification

AV85

Hygro-Anemometer



All specified accuracies are at 23°C ± 5°C, <70% R.H. for 1 year.
Temperature coefficient: 0.1 x (specified accuracy) per °C, (-20°C to 18°C, 28°C to 60°C).

AIR FLOW

| Range | Resolution | Accuracy |
|-------------------|------------|-----------------------------|
| 0.4 to 20 m/s | 0.1 m/s | ± (0.2 m/s + 2% of reading) |
| 80 to 4000 ft/min | 1 ft/min | ± (40 ft/m + 2% of reading) |

AIR TEMPERATURE

| Range | Resolution | Accuracy |
|---------------|------------|---|
| -20°C to 60°C | 0.1°C | ± 0.5°C (0°C to 45°C) ± 1°C (-20°C to 0°C, 45°C to 60°C) |
| -4°F to 140°F | 0.1°F | ± 1°F (32°F to 113°F) ± 2°F (-4°F to 32°F, 113°F to 140°F) |

RELATIVE HUMIDITY

| Range | Resolution | Accuracy |
|----------------|------------|--|
| 0 to 100% R.H. | 0.1% R.H. | ± 2.5% (10% to 90% R.H.) ± 5% (0% to 10%, 90% to 100% R.H.) |




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Sensor: digital capacitive humidity sensor
Sensor response time for 90% of total range: 60 seconds typical
Sensor hysteresis (excursion of 10% to 90% to 10% R.H.): ±1% R.H. typical

GENERAL

Display: liquid crystal display
Measurement rate: once per second
Power: 2 x 1.5V, AAA alkaline batteries (IEC LR03, NEDA 24A)
Continuous operating time: 50 hours typical
Auto power off: after approx. 10 minutes
Low battery indication: The “” is displayed when the battery voltage drops below the operating level
Dimensions: 132.9(L) x 50.9(W) x 24.7(D) mm
Weight: Approx. 119g including batteries
Includes: protective cover, 2 x 1.5V AAA batteries, detachable carry strap and instructions

ENVIRONMENTAL

Operating environment: -20°C to 60°C at <70% R.H.
Storage environment: -20°C to 60°C <80% R.H. with batteries removed

EMC

Conforms to BS EN61326-1



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