



1. TECHNICAL SPECIFICATIONS

Accuracy is calculated as [% rdg + values]. It is referred to 25°C, <80%RH

Air speed measurement with internal hot wire probe

Measurement unit	Range	Resolution	Accuracy
m/s	0.10 ÷ 20.00	0.01m/s	±(5%reading + 0.03)
km/h	0.4 ÷ 72.0	0.1km/h	
ft/min	20 ÷ 3937	1ft/min	
MPH	0.3 ÷ 44.7	0.1MPH	
knots	0.2 ÷ 39.0	0.1knots	

m/s = meters/second ; km/h = kilometers/hour ; ft/min = feet/minute ; MPH = miles/hour ; knots = nautical miles/hour

Airflow measurement with internal hot wire probe

Measurement unit	Range	Resolution	Accuracy
CMM	0 ÷ 99999	0.001 ÷ 100	CMM (m ³ /min)
CFM			CFM (ft ³ /min)

CMM = air speed (m/s) * Area (m²) * 60 ; CFM = air speed (ft/min) * Area (ft²)

Air temperature measurement with internal sensor

Measurement unit	Range	Resolution	Accuracy
°C	0.0°C ÷ 50.0°C	0.1°C	±1°C
°F	32.0°F ÷ 122.0°F	0.1°F	±1.8°F

Air humidity measurement with internal sensor

Range	Resolution	Accuracy
0%RH ÷ 100%RH	0.1%RH	±5%RH

2. GENERAL SPECIFICATIONS

Mechanical characteristics

Dimensions (L x W x H):	190 x 65 x 45mm (7 x 3 x 2in)
Length of telescopic probe:	from 13cm to 1m (from 5in to 3ft)
Length of telescopic probe cable:	170cm (6ft)
Diameter of telescopic probe:	11mm (0.4in)
Weight (battery included):	240g (8ounces)
Weight of telescopic probe:	165g (6ouces)
Air speed sensor:	hot-wire
Air temperature sensor:	digital sensor
Mechanical protection:	IP40

Mains supply

Battery type:	1x9V alkaline battery IEC 6F22.
Battery life:	ca 15 hours (backlight ON), ca 20hours (backlight OFF)
Auto power OFF:	about 20 minutes of idleness

Display

Main display:	4 LCD decimal point, sign and backlight
Secondary display:	4 LCD decimal point, sign and backlight
Updating speed:	ca 0.8s

Climatic conditions

Operating temperature/humidity:	0°C ÷ 50°C / <80%RH
Storage temperature/humidity:	-10°C ÷ 60°C / <80%RH
Max height of use:	2000m

This instrument complies with European Directive EMC 2014/30/EU
This instrument satisfies the requirements of European Directive 2011/65/EU (RoHS) and
2012/19/EU (WEEE)





HTA105

Rel. 2.00 of 30/09/24

Hot wire thermo-anemometer

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WHERE
WE ARE

