



Model
TES,400-HW

Product Details/Application

This is a precision logging hot wire air velocity meter. It includes both a measurement instrument part and a probe. The probe included is a hot wire air velocity probe that also measures temperature, humidity and absolute pressure. The instrument itself can also measure absolute pressure and differential pressure. The instrument includes the appropriate calculations for wet bulb, HVAC efficiency etc. The instrument has numerous communications capabilities. There is

1. PC software to setup customer and work schedules and download logged data, readings and reports
2. You can connect and operate the instrument remotely using 'Teamviewer' to operate the instrument.
3. The instrument has a built in email client and can email results.
4. It has a Bluetooth communications and can transfer data from and to a PC or Android device using Bluetooth.

Note: The probe type is **0635 1571**



0635 1571 Specifications

Temperature - NTC

Measuring range	-20 to +70 °C
Accuracy	±0.5 °C (0 to +70 °C) ±0.8 °C (-20 to 0 °C)
Resolution	0.1 °C

Humidity - Capacitive

Measuring range	5 to 95 %rH
Accuracy	±3 %rH (10 to 35 %rH) ±2 %rH (35 to 65 %rH) ±3 %rH (65 to 90 %rH) ±5 %rH (Remaining Range) ±0.06 %rF/K (k=1)

Humidity - Capacitive

Resolution	0.1 %rH
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Please see the additional accuracy information for humidity in the instruction manual.

Absolute Pressure

Measuring range	+700 to +1100 hPa
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Accuracy	±3.0 hPa
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Resolution	0.1 hPa
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Velocity - Hot wire anemometer

Measuring range	0 to 50 m/s
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Accuracy	±(0.03 m/s + 4 % of mv) (0 to 20 m/s) ±(0.5 m/s + 5 % of mv) (20.01 to 30 m/s)
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Resolution	0.01 m/s
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General technical data

Storage temperature	-20 to +60 °C
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Weight	400 g
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Dimensions	780 x 50 x 40 mm
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Operating temperature	-5 to +50 °C
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Length telescope	1,000 mm
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Probe head diameter	9 mm
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Diameter telescope	16 mm
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Product colour	black/orange
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General technical data

Length probe shaft	230 mm
Diameter probe shaft	9 mm
Battery type	4 x AA batteries
Battery life	21.5 h
Data transfer	Bluetooth®
Radio range	65.616 ft. / 20 m