

Operating Instruction for Hot Wire Probe

1. Introduction

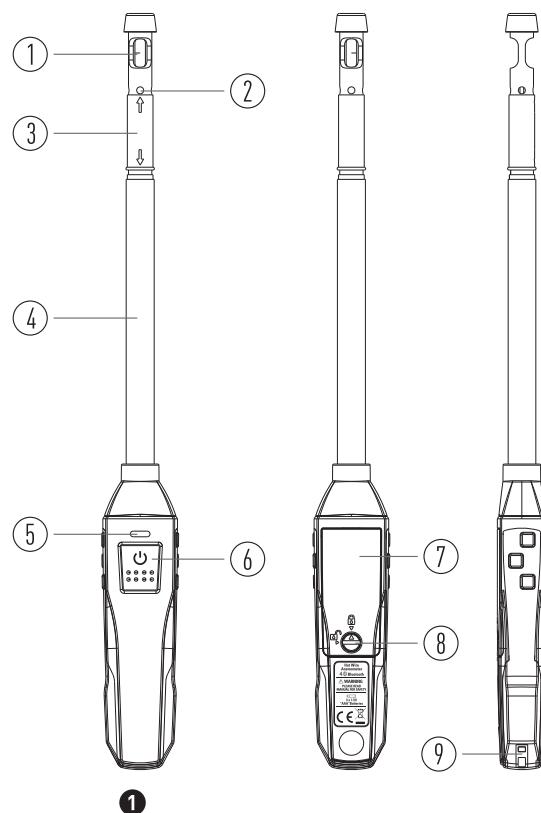
- This is a Hot Wire Probe that measures Wind speed, Volume flow, Temperature and Humidity.
- The measurement value is displayed on the smart device APP via Bluetooth connection, it ideal for measuring ventilation ducts.

2. Features

- Quickly measure wind speed, volume flow, temperature and humidity.
- Simple set of pipe cross-section dimensions and geometry to determine volumetric flow.
- Easy to measure the ventilation duct through the telescopic probe.
- The text, measurement data trend and recording function can be conveniently viewed on the smart device app.
- Low battery indication function.
- Auto Power off.
- Bluetooth connection.

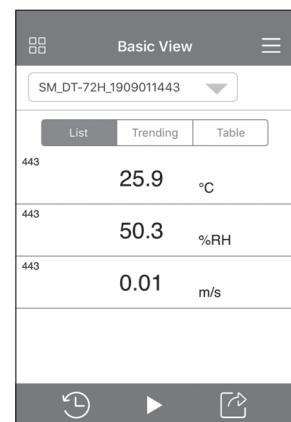
3. Front Panel Description

- 1-Wind Speed Sensor
- 2-Temperature and Humidity Sensor
- 3-Sensor Slide
- 4-Retractable Probe Tube
- 5-Indicator Light
- 6-ON/OFF Button
- 7-The Battery Cover
- 8-The Battery Cover Knob
- 9-Hand Buckle



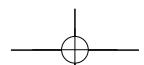
4. Operation Description

- Short press the **ON/OFF** Button to boot, long press the **ON/OFF** Button to Shutdown.
- When you want to measure ,slide the sensor slide down to the end.
- Open smart device app, wait a few seconds, and the device will automatically connect APP.
- After the connection, the mobile device interface is as follows, with the name of the device and the current measurement value under the list.
- When the APP of the smart device is turned off, the probe automatically shuts down after 3 minutes.



- Open the drop-down list of the device name and click the device name to display the device information, with the device name, the serial number, the battery power, the sampling rate.

Back	Device information
	Instrument name SM_DT-72H
	Serial number 1909011443
	Electricity 100%
	Firmware version v1.0
	Sampling rate 500(ms)
	Part number



5.Specification

Function	Range	Resolution	Accuracy
Wind Speed	0.00 to 30.00m/s	0.01m/s	±0.1 m/s±5% (0 to 5m/s); ±0.3 m/s±5%(5 to 30m/s)
Temperature	-20 to 60°C (-4 to 140°F)	0.1°C/°F	±0.8°C (-20 to 0°C); ±0.5°C (0 to 60°C)
Humidity	0 to 100%RH	0.1%RH	±3.5%RH at 20 to 80%RH; ±5%RH at 0 to 20%RH & 80 to 100%RH

6.Auto Power Off

When the device is disconnected from the mobile device, the indicator light is yellow, and after 3 minutes there is no button action, The device will turn off.

7.WARNING

- The wind speed sensor is extremely fine, when not measuring, the sensor slide should be closed in time to protect the sensor.
- The smart device APP indicates that the meter is low on battery and should replace the meter battery immediately.

③



Rev.191114

