HOT WIRE AIR SPEED TRANSMITTERS

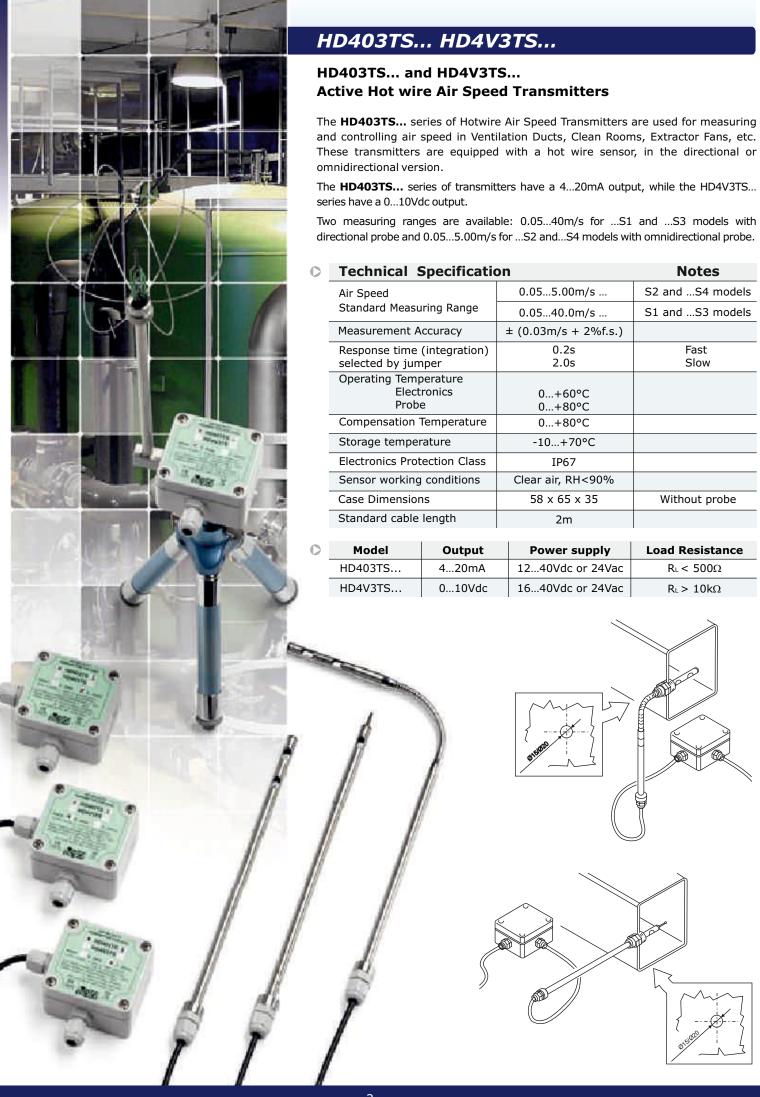




An ISO 9001: 2015 Certified Company & NABL Accredited Calibration Laboratory as per ISO/IEC 17025:2017 Your One Stop For Instrumentation Supply, Automation & Calibration #73, Ramachandra Agrahara, Near T.R. Mills, Chamarajpet, Bangalore - 560018, INDIA.

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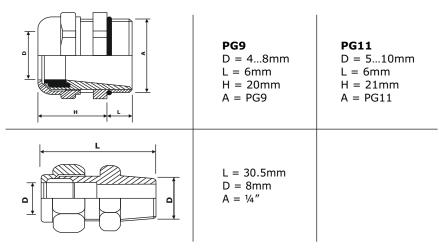




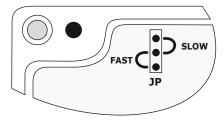


Installation Notes

- The probe must be used with clean air only and humidity below 90%.
- In ...S1 and ...S3 directional probes, the sensor hole must be oriented in the same direction as the flow: turn the probe so that the displayed speed will be the highest, at constant flow.
- To fix the probe of ...S1, ...S2 and ...S3 models inside a ventilation duct, a pipe ,etc. use a PG9 or PG11 metal cable gland according to the shape or a connection equipped with a ¼" rubber ring.



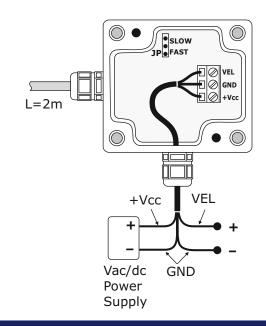
- The transmitters are factory calibrated and no further adjustments are required.
- Select the response time by using the JP jumper: in the FAST position, the response time is 0.2s, in the SLOW position is 2s. Set the jumper at SLOW in case of turbulence, otherwise please select the FAST position.



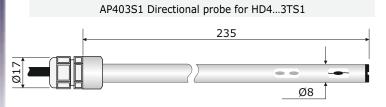
Electrical connections

Power supply and output

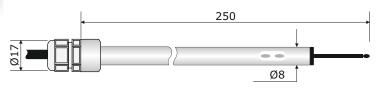
Power the instrument at the voltage shown in the electrical specifications: power supply terminals are marked as +Vcc and GND. The output signal comes from VEL and GND terminals. To make the connection, please use a three-wire cable as shown in the drawing below.



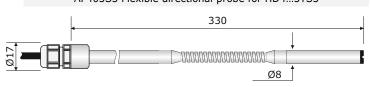
Probe dimensions



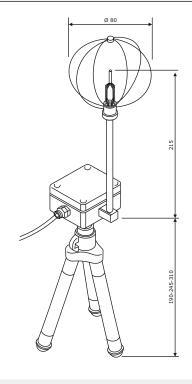
AP403S2 Omnidirectional probe for HD4...3TS2



AP403S3 Flexible directional probe for HD4...3TS3



AP403S4 Omnidirectional probe for HD4...3TS4



ORDERING CODES

HD403TS1: Active hotwire air speed transmitter with 4...20mA output. Measuring range:0.05...40m/s. Directional probe Ø=8mm, cable L=2m.

HD4V3TS1: Active hotwire air speed transmitter with 0...10Vdc output. Measuring range:0.05...40m/s. Directional probe Ø=8mm, cable L=2m.

HD403TS2: Active hotwire air speed transmitter with 4...20mA output. Measuring range:0.05...5.00m/s. Omnidirectional probe Ø=8mm, cable L=2m.

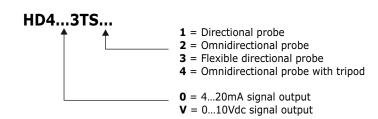
HD4V3TS2: Active hotwire air speed transmitter with 0...10Vdc output. Measuring range:0.05...5.00m/s. Omnidirectional probe Ø=8mm, cable L=2m.

HD403TS3: Active hotwire air speed transmitter with 4...20mA output. Measuring range:0.05...40m/s. Flexible directional probe, Ø=8mm, cable L=2m.

HD4V3TS3: Active hotwire air speed transmitter with 0...10Vdc output. Measuring range:0.05...40m/s. Flexible directional probe, Ø=8mm, cable L=2m.

HD403TS4: Active hotwire air speed transmitter with 4...20mA output. Measuring range:0.05...5.00m/s. Omnidirectional probe with wired protective cover Ø=80mm. Equipped with tripod.

HD4V3TS4: Active hotwire air speed transmitter with 0...10Vdc output. Measuring range:0.05...5.00m/s.Omnidirectional probe with wired protective cover Ø=80mm. Equipped with tripod.





Dimension

