TA300 Anemometer

Professional hot wire anemometer for precise determination of air speed, air temperature and air flow volume

BENEFITS IN PRACTICE:

- Slim telescopic sensor – extendable to any length up to 1 m – allows you to carry out inspections of remote and hard-to-reach places
- Large, easy-to-read backlit LCD display with dual digital measurement readings
- Average spot and time measurements
- Maximum, minimum and hold function
- Calibration certificate incl. in scope of delivery

The TA300 is a state-of-the-art handheld measuring device whose precision and variety of functions make it ideal for a wide range of applications:

- *HVAC checks and inspections*
- *Start ups*
- *Maintenance and servicing*
- *Measuring of air speed and temperature at air vents and ventilation grilles*
- *Certification of critical environments*
- *Duct measurements*
- *Door and window leak checks*

The TA300 high-precision anemometer is yet another handheld measuring device in the highly successful MultiMeasure Professional Series. The practical telescopic probe makes it ideal for a huge range of measuring applications for determining air flow, temperature and air flow volume.

The flexible probe can be extended up to a length of 1 m, thereby allowing you the user to carry out measurements on ducts and hard-to-reach places.

A combination comprising a robust hot wire sensor and sophisticated microprocessor technology for signal processing ensures quick and precise measurement results in a variety of different fields and environments. The TA300 is also equipped with an easy-to-read backlit display which enables you to read the dual digital measurement values in both dim light and the dark.

The calibration certificate included in the scope of standard delivery underlines the overall impression that the TA300 high-precision anemometer is also dedicated to professional use.

Average spot and time measurements can be determined quickly and just as easily as air flow volume profiles using the measuring device's enhanced one-handed menu navigation.

Clever combinations…

Let's talk about… thermal bridges!
Are you on the lookout for a quick and reliable method for detecting thermal bridges?
Find out more about our low price pyrometers in the chapter "Temperature".

Let's talk about… climate data control!
Just one single measuring device for wall temperature, dew point, relative humidity and indoor temperature?
Find out more about the T250 in the chapter "Multi-function".

Let's talk about… climate data monitoring!
On location humidity and temperature monitoring and tamper proof long-term measuring and logging.
Find out more about the data loggers in the MultiMeasure Series in the chapter "Multi-function".

Spot on measuring results!
Measuring spot sticker – practical help for spot-on documentation and chronological comparison measurements.
You will find this accessory item in the chapter "Multi-function".

Trotec Tip: air flow measurements and much, much more – with only one measuring device …

Maintenance and service departments, experts and small businesses in trade and industry, service companies – all these sectors do not only depend on an anemometer but also a variety of further measuring instruments for validation and cross-correlation of measurement results as well as to carry out other measuring applications which only become obvious when on-site or at very short notice.

This is when such users can rely on the multipurpose T2000S, a highly efficient and highly flexible handheld digital measuring device in the Trotec MultiMeasure Professional Series with ports for a variety of SDI or Pt100 sensors and resistance electrodes, to provide them with extremely fast and accurate results.

When used in combination with the TS 460 SDI anemometer sensor, the T2000S can be used to measure air flow speed and air temperature to detect and assess missing or faulty heat insulation or to check air flow and temperature distribution in ventilation and air conditioning systems.

More than "just" an anemometer…

In addition to the TS 460 SDI, which can be used for determining air flow measurements, there is a variety of different attachments available including sensors for non-destructive temperature, relative humidity and moisture measurements of building materials and building components.

The T2000S is also equipped with a port for connecting Pt100 sensors to carry out contact temperature measurements of liquids, powders, gases, plastics or pasteous media.

Further ports for connecting measuring electrodes to determine moisture in wood and building materials according to the resistance principle round off the T2000S's many application possibilities.

You now no longer need a multitude of measuring devices for a multitude of different applications. All you need is the T2000S – a variety of different devices all rolled into one.

Simply change the sensor of your T2000S to transform your anemometer into a thermo hygrometer, a capactive material moisture meter, a surface thermometer, a microwave moisture sensor or a complete trace gas sensor system.

The T2000S recognises the sensor automatically as soon as it has been connected.

Increase not only the versatility but also the efficiency of your newly acquired T2000S with one of our many low cost, high impact sensors!

To find out more about the T2000S and the wide range of sensors that are available for this particular model see chapter "Multi-function".

Flexibility is the name of the game: connect the TS 460 SDI anemometer sensor to the locking slit of your measuring device or use it as a handheld sensor. There is also an optionally available telescopic pole which makes it easier to reach remote or hard-to-reach places.

The TA300's slim telescopic probe can be extended up to a length of 1 m. Extremely useful and practical for reaching remote and hard-to-reach places or for carrying out checks and inspections on ducts and ventilation shafts.

Technical data		TA 300
Article no.		3.510.004.005
Probe type		Telescopic probe, straight
Probe length		185 mm to 1,000 mm
ø Probe tip / base		10 mm / 12 mm
Air flow speed	Measurement range	0.1 – 25.0 m/s, 0.3 – 90.0 km/h, 20 – 4,925 ft/min, 0.2 – 55.8 mph, 0.2 – 48.5 kn
	Accuracy	± (5 % of the measuring value + 1 measurement unit)
	Resolution	0.01 m/s, 0.1 km/h, 1 ft/min, 0.1 mph, 0.1 kn
Temperature	Measurement range	0 to +50 °C
	Accuracy	±1 °C
	Resolution	0.1 °C
Air flow volume	Measurement range	0.001 – 999,000 m³/min (CMM), 0.001 – 999,000 ft³/min (CFM)
Average value and further functions		Average spot and time measurements, minimum value, maximum value, hold function
Features		Backlit display, auto power off, large LCD display with dual digital readings, USB interface
Operating conditions		0 °C to +50 °C, < 80 % RH (non-condensing)
Dimensions		210 x 75 x 50 mm
Weight incl. probe		approx. 280 g (incl. battery)
Energy supply		9 V IEC 6LR61
Scope of delivery		Measuring device with user's manual, telescopic probe, calibration certificate, hard shell case