# Laboratory flue probe

Application information

## Application

Measurement program available as of firmware version 1.05.

The thermal anemometer probe is designed to measure and test lab fume cupboards in conjunction with measuring instrument testo 480. The probe complies with the technical requirements of DIN EN 14175, measurements as per DIN EN 14175 are possible.

## Overview


1 Flow probe
2 Protective cap for flow probe
3 Telescope

**Technical data**

| Feature | Values |
|---|---|
| Measuring range | 0 to 5.00 m/s<br>0 to 50 °C |
| Accuracy: (at 22°C) ± 1 digit<br>Confidence interval 95% | ±(0.02 m/s, + 5% of meas. val.)<br>±0.5 °C<br>At lower flow velocities, higher measurement inaccuracies can occur in temperature and humidity measurement! |
| Adjustment conditions | Adjustment in free jet Ø 350 mm, reference pressure 1013 hPa, based on testo reference Laser Doppler Anemometer (LDA). |

The digital probe allows measuring values to be processed directly in the probe. This technology eliminates instrument measurement uncertainty.

For calibration, the probe alone (without the hand instrument) can be sent away.

Calculating the determined calibration data in the probe generates a zero-error display.

**Preparing for measurement**

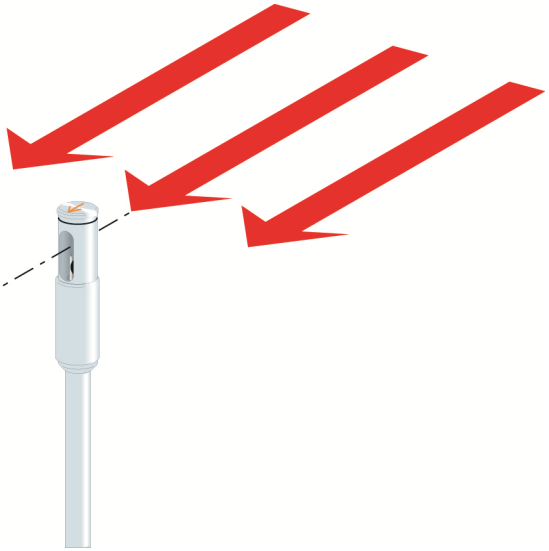
1 Connect the probe to the measuring instrument.
2 Slide the probe's protective cap up to the stop. Both openings must be completely unobstructed.
3 Pull the telescope out to the required length. The first telescopic segment must be fully extended.

**Measuring flows**

For velocity measurements with a known direction of flow, the arrow mark on the probe head must point in the direction of flow.

The correct measurement value is determined by rotating the probe slightly in both directions until the maximum value is displayed.

In the case of deviations from the exact alignment of up to an angle of twist of approx. 20°, the probe indicates the correct measuring value.



**After the measurement**

> Slide the protective cap over the probe head.

> Push the telescope back, starting with the telescope segments closest to the handle.

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