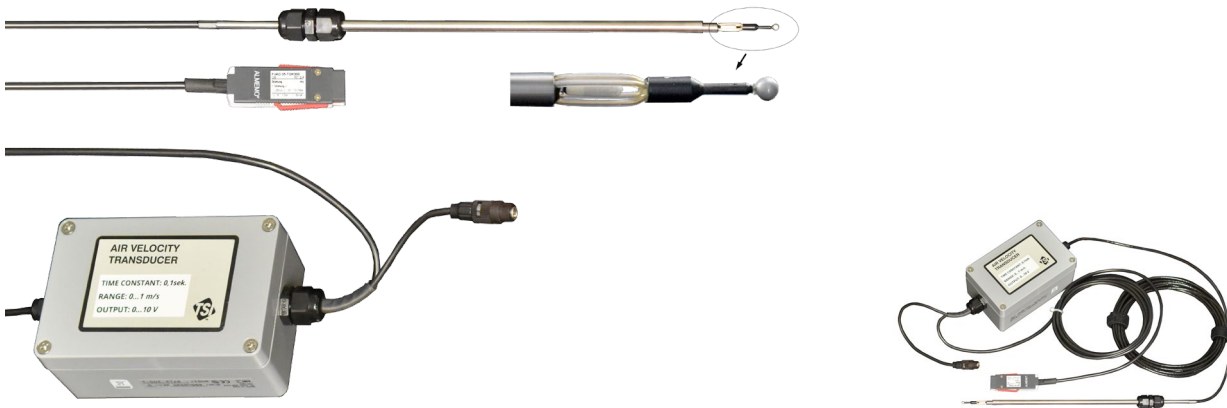


Digital thermo-anemometer omnidirectional FVAD 05-TOKx, with ALMEMO® D6 plug, with integrated atmospheric pressure sensor for automatic atmospheric pressure compensation



Technical data and functions

- Omnidirectional sensitive tip with exposed heat ball probe.
- Optimized version for measuring low flow velocities in air.
- Solid construction of the sensor top, suitable for mobile usage.
- Digital thermo-anemometer with integrated A/D converter in the ALMEMO® D6 plug.
- Automatic atmospheric pressure compensation of the flow velocities dependent on the atmospheric pressure with digital

atmospheric pressure sensor integrated in the ALMEMO® D6 plug. Alternatively manual input of the atmospheric pressure in the ALMEMO® D6 sensor menu. Two measuring channels are preprogrammed on leaving our factory: flow velocity (m/s, v), atmospheric pressure (mbar, AP, p).

For more information about general features of the ALMEMO® D6, refer to page 01.05.

Technical data:

Flow sensor		Transmitter electronic	
Measuring range:	0.050 to 1.000 m/s or 2.500 m/s	Dimensions:	126 x 80 x 60 mm (L x W x H)
Resolution:	0.001 m/s	Operating temperature:	0 to 60 °C
Accuracy:	± (3 % of measured value + 1 % of final value +2 digits)	Supply voltage:	12 VDC
Nominal conditions:	23 °C ±3 K, 50 % RH, 1013 mbar.	Current consumption:	maximum of 350 mA
Temperature compensation:	effective in the range 0 to 60 °C	Power supply unit connection:	0.2 meter cable with connection 3 pin connector for the power supply unit ZB1212NA10
Temperature effect:	0.5 % of the measured value/K	ALMEMO® connection:	2 meter cable with ALMEMO D6 plug
Output time constant:	0.1 s (selectable in the range of 0.05 to 10 seconds)	Digital atm. pressure sensor (included in the ALMEMO® D6 plug)	
Incident flow:	omnidirectional	Measuring range:	700 to 1100 mbar
Pressure range:	environmental pressure	Accuracy:	± 2.5 mbar (at 23 °C ±5 K)
Atmospheric pressure compensation:	automatically in the range of 700 to 1100 mbar	A/D converter integrated in the ALMEMO® D6 plug	
Dimensions:		Refresh rate:	0.1 seconds for both channels
Peak length:	32 mm	Supply voltage:	via the ALMEMO® device (6 to 13 VDC)
Probe diameter:	6.4 mm	Current consumption:	8 mA
Probe length:	300 mm including peak		
Probe cable:	5 meters		

Option

Measuring range 2.5 m/s. Transmitter electronic and ALMEMO® D6 plug are pre-configured on leaving our factory

Order no.

OA9000T025

Variants (including manufacturer's test certificate)

Digital thermo-anemometer, omnidirectional sensitive peak.

Probe with connecting cable to the transmitter electronic. Power supply cable including a plug connection for the power supply unit. ALMEMO® connection cable with ALMEMO® D6 plug, integrated digital atmospheric pressure sensor.

Delivery including plug-in power supply unit ZB1212NA10.

Order no.

FVAD05TOK300

DAKs or factory calibration KV90xx, air flow, for digital sensor (see chapter „Calibration certificates“).
DAKs calibration meets all the requirements regarding test resources laid down in DIN EN ISO/IEC 17025.