Air flow

Digital thermoanemometer FVAD 35 THx with ALMEMO[®] D6 plug with integrated atmospheric pressure sensor, for automatic pressure compensation

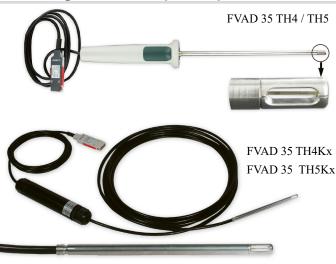
itself.

one sensor.

integrated in the cable

sure (mbar, AP, p)

see page 01.08



Technical data

Flow

Digital thermoanemometer (Sensor including A/D converter) Measuring range FVAD 35 TH4 / TH4Kx 0.08 to 2 m/s FVAD 35 TH5 / TH5Kx 0.2 to 20 m/s Resolution FVAD 35 TH4 / TH4Kx 0.001 m/s FVAD 35 TH5 / TH5Kx 0.01 m/s Response time <1.5 seconds Accuracy FVAD 35 TH4 / TH4Kx \pm (0.04 m/s +1% of meas. val.) FVAD 35 TH5 / TH5Kx \pm (0.2 m/s +2% of meas. val.) Nominal conditions 22 °C ±2 K, 45 % RH ±10 % RH 1013 mbar Temperature compensation 0 to +50 °C Influence of temperature FVAD 35 TH4 / TH4Kx ± 0.5 % of measured value /°C at 0.3 to 2 m/s FVAD 35 TH5 / TH5Kx $\pm 0.3\%$ of measured value /°C at 0.3 to 20 m/s Incidental flow bidirectional Angle dependence <3% of measured value with deviation <15° Pressure range Ambient pressure Pressure compensation automatic in range 700 to 1100mba

Variants (including works certificate)

Digital thermoanemometer, fitted cable with ALMEMO® D6 plug and integrated digital atmospheric pressure sensor

Sensor 2 m/s, length = 210 mm, (with grip) Sensor 2 m/s, length = 80 mm, (detached electronics unit) Sensor 2 m/s, length = 300 mm, (detached electronics unit) Sensor 20 m/s, length = 210 mm, (with grip) Sensor 20 m/s, length = 80 mm, (detached electronics unit) Sensor 20 m/s, length = 300 mm, (detached electronics unit)

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Other designs are available on request

High-temperature thermoanemometer MT8635THx Operative range -40 to +120 °C, up to 40 m/s Probe with detached electronics unit integrated in the cable





03/2023 • We reserve the right to make technical changes

Temperature	
Measuring range	-20 to +70 °C
Resolution	0.1 °C
Accuracy	± 0.7 °C at 0 to 50 °C and >0.5 m/s
Response time T ₉₀	typical 10 seconds
Digital atmospheric pressur	e sensor
(integrated in ALMEMO® D6	o plug)
Measuring range	700 to 1100 mbar
Accuracy	±2.5 mbar (at 23 °C ±5 K)
ALMEMO [®] D6 plug	
Refresh rate	0.5 seconds for all 3 channels
Supply voltage	6 to 13 VDC
Current consumption	50 mA
Dimensions	
Probe diameter	6 mm
Flow aperture	approx. 10 x 3 mm
FVAD 35 TH4 / TH5	
Probe with grip,	
probe lengths 210 mm (j	
ALMEMO [®] cable 1.5 m	leters
FVAD 35 TH4Kx / TH5Kx	Σ.
Probe with detached ele	ctronics unit integrated in the
cable, Probe lengths TH	xK1, 80 mm / THxK2, 300 mm
Probe cable 5 meters to	the electronics, ALMEMO® cable 1.5 m

· Automatic atmospheric pressure compensation is provided for

pressure-dependent flow velocity by means of a digital atmospheric pressure sensor integrated in the ALMEMO® D6 plug

• Digital thermoanemometer with A/D converter in the grip or

• All relevant measurable variables can be measured using just

• Three measuring channels are programmed (at our factory):

General features and accessories, ALMEMO® D6 sensors:

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

Temperature (°C, t), Flow velocity (m/s, v), Atmospheric pres-

• The probe tube has a small diameter, only 6 mm.



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Order no.

FVAD35TH4

FVAD35TH5

FVAD35TH4K1

FVAD35TH4K2

FVAD35TH5K1

FVAD35TH5K2