Digital vane anemometer FVAD 15-H for special applications, with ALMEMO® D6 plug

Technical data and functions

- The precision measuring heads and the sensor shaft are made of aluminum or stainless steel.
- The flow velocity is measured with high accuracy.
- Each vane anemometer is individually adjusted. The Multipoint adjustment is stored in the ALMEMO® D6 connector.
- In practice, measurements in air and gases are unaffected by environmental variables such as pressure, temperature, or humidity. The low dependence of the measured value on density of the gas can be compensated for. The density can be programmed in the ALMEMO® D6 sensor menu in the ALMEMO® V7 device.
- Several measuring heads can be used for measurements in water.
- Some variants detect the direction of flows and display the measured value with an algebraic sign.
- The robust type of construction is suitable for mobile measuring operations as well as for stationary measuring operations.
- The ALMEMO® D6 plug measures the frequency signal of the rotating vane with high resolution.
- 1 measuring channel is preprogrammed (ex works): Flow velocity (m/s, v).

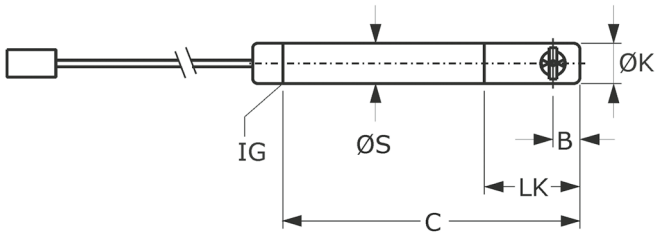
Technical data

Maximum resolution	0.01 m/s
Nominal conditions	22 °C ±2 K, 1013 mbar
Connecting cable	permanently fitted cable, with Lemo plug
ALMEMO® adapter cable	Lemo coupling cable, 0.2 meters, with ALMEMO® D6 plug
ALMEMO® D6 plug	
Frequency measurement	resolution 0.01 Hz
Multi-point adjustment	sensor specific, saved within the ALMEMO® D6 plug of the adapter cable
Refresh rate	0.5 seconds for all channels
Averaging period to 100 seconds	2 seconds, programmable from 2
Supply voltage	6 to 13 VDC
Current consumption	8 mA

General features for the ALMEMO® D6 sensors:
see chapter ALMEMO® Measuring instruments

Digital vane anemometer for water FVAD 15-H16GFAMC40





Technical data

Variant:	Micro, aluminum, for water
Measured medium:	water (precondition: no cavitation)
Operative range:	-20 to +100 °C (including cable)
Pressure resistance:	up to 3 bar overpressure
Measuring range:	in water: 0.06 to 10 m/s
Accuracy:	± (+0.5 % of final value sensor + 1.0 % of measured value) specific multi-point adjustment
Type of rotating vane:	MC40GFA, aluminum
Measuring head:	
dimension Ø K	aluminum, Ø 16 mm
dimension LK	53 mm
dimension B	10.65 mm
Sensor shaft:	Aluminum, Ø 16 mm (dimension Ø S)
Sensor length:	163 mm (dimension C)
Cable exit:	Thread M 14 x 1.5 (dimension IG)
Cable length:	2 m

! New from 11/2023 for impeller for water:
Supplied with factory calibration certificate (mandatory): Calibration with medium water at 6 calibration values in the measuring range of the sensor, incl. multi-point adjustment of the sensor.

Accessories

	Order no.
Extension set Ø 16 mm, stainless steel, 3 pipes 350 mm each. 3 O-rings (material: FPM75)	**ZV9915H16VR3**
Other accessories: see digital humidity / temperature transmitter MH8D46C	

Variants

	Order no.
Digital vane anemometer for water, up to 10 m/s (water), up to 100 °C, integrated fixed cable, adapter cable with ALMEMO® D6 plug. Incl. factory calibration certificate (mandatory) with medium water.	**FVAD15H16GFAMC40**

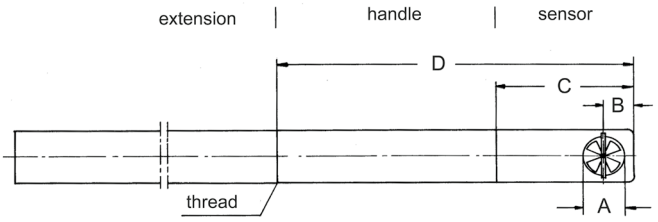
DAkkS accredited calibration or factory calibration KV90xx, air flow, for digital sensor, see chapter „Calibration certificates“.
DAkkS accredited calibration meets all the requirements regarding test resources laid down in DIN EN ISO/IEC 17025.

11/2025 • We reserve the right to make technical changes.

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Digital vane anemometer with direction detection FVAD 15-H25RGAMN40





Digital vane anemometer FVAD 15-H25RGAMN40

Technical data

Variant:	Mini, aluminum, with integrated direction detection
Measured medium:	air and gases
Operative range:	-20 to +125 °C (including cable)
Pressure resistance:	up to 6 bar overpressure
Measuring range:	± 0.4 to ± 40 m/s with direction detection
Accuracy:	± (+0.5 % of final value sensor + 1.0 % of measured value) specific multi-point adjustment
Type of rotating vane:	MN40GA, aluminum

Measuring head:	Aluminum, Ø 25 mm dimension C 66 mm dimension A Ø 18.2 mm dimension B 13 mm
Sensor shaft:	Aluminum, Ø 25 mm
Sensor length:	166 mm (dimension D)
Cable exit:	Thread M 22 x 1.5
Cable length:	2 m

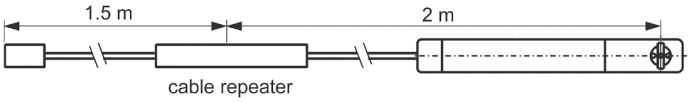
Accessories

	Order no.
Extension set Ø 25 mm, stainless steel, 3 tubes 350 mm each, 3 O-rings (material: FPM75)	**ZV9915H25VR3**
Other accessories: see digital humidity / temperature transmitter MH8D46C	

Variants

	Order no.
Digital vane anemometer for air and gases, up to 40 m/s, with integrated direction detection, up to 125 °C, integrated fixed cable, adapter cable with ALMEMO® D6 plug.	**FVAD15H25RGAMN40**

Digital vane anemometer, operating range up to 260 °C FVAD 15-H25GEMN40T2



Technical data

Variant:	Mini, stainless steel, for high-temperature up to 260 °C
Measured medium:	air and gases
Operative range:	-40 to +260 °C (including high-temperature cable)
Pressure resistance:	up to 10 bar overpressure
Measuring range:	0.5 to 40 m/s
Accuracy:	± (+0.5 % of final value sensor + 1.0 % of measured value) specific multi-point adjustment
Type of rotating vane:	MN40GE, stainless steel

Measuring head:	stainless steel, Ø 25 mm dimension C 81 mm dimension A Ø 18.2 mm dimension B 14 mm
Sensor shaft:	stainless steel, Ø 25 mm
Sensor length:	170 mm (dimension D)
Cable exit:	Thread M 22 x 1.5
Cable length:	2 m high-temperature cable (up to 260 °C), cable repeater (-30 to 125 °C), 1.5 m cable (up to 125 °C)

Accessories

	Order no.
Extension set Ø 25 mm, stainless steel, 3 tubes 350 mm each, 3 O-rings (material: FPM75. Application range: -20 ... +200 °C)	**ZV9915H25VR3**

Other accessories: see digital humidity / temperature transmitter MH8D46C

Variants

	Order no.
Digital vane anemometer for air and gases, up to 40 m/s, up to 260 °C, integrated fixed cable, adapter cable with ALMEMO® D6 plug.	**FVAD15H25GEMN40T2**

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