## Wind Direction Sensor FVA 614



- Wind direction sensor for measuring the horizontal wind direction.
- Wind vane made from robust plastic, electronics in weather-resistant aluminum housing, rotating mechanism on friction bearings.
- A special labyrinth reliably protects without friction and guards against water penetrating into the housing.
- Electronically controlled heating for operation in winter conditions to prevent bearings and external rotating parts from freezing.

**!** A calculation channel is required in the WinControl measuring software to calculate the mean value of the wind direction (averaging is not possible in the ALMEMO® measuring device).

## Technical Data

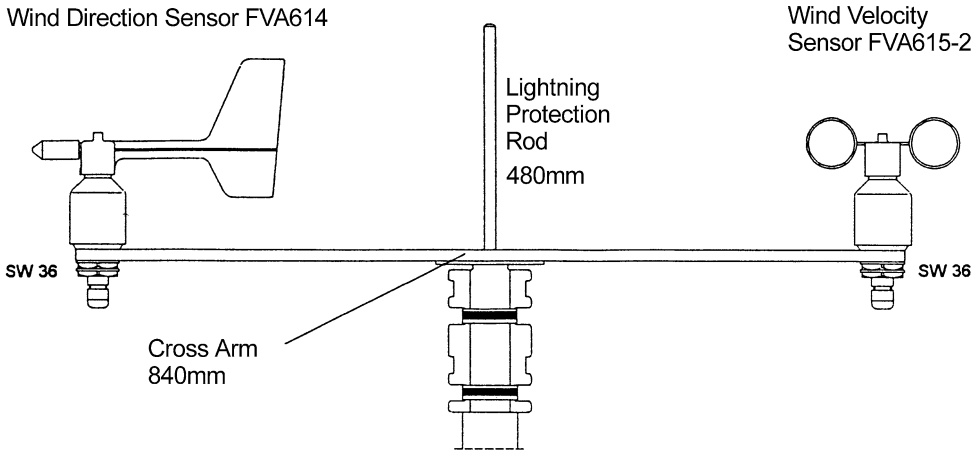
| | |
|---|---|
| Measuring range: | 0 to 360 ° |
| Accuracy: | ±5 ° |
| Resolution: | 11.25 ° (5 bit Gray code) |
| Measuring principle: | optoelectronically (slotted disk) |
| Sensor power supply: | 9–30 V DC through ALMEMO® device |
| Heating: | 24 V AC/DC max. 20 W |
| Operative range: | -30 to +70 °C, with heating |
| Cable: | 12 m long, LiYCY 6 x 0.25 mm² |

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|---|---|
| Connection: | Adapter cable with ALMEMO® connector including supply cable for heating (length 1.5 m, free ends)<br>A mains supply unit must be provided by the user on site. |
| Installation: | e.g. pole tube with holding thread PG21 / drilling 29 mm Ø |
| Weight: | 1100 g |

| Type | Order no. |
|---|---|
| Wind vane including ALMEMO® connector (0–2 V) with 12 m cable | **FVA614** |

### Accessories for wind direction and wind velocity sensors

| | Order no. |
|---|---|
| Cross-arm for separate wind direction and wind velocity sensors inclusive assembly utilities for mast Ø 48 to 102 mm | **ZB9015TC** |
| Lightning protection rod | **ZB9015BS** |




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

## Wind Velocity Sensor FVA 615 2



- Wind velocity sensor for measuring the horizontal wind velocity.
- Cup-type made from robust plastic, electronics in weather-resistant aluminum housing, rotating mechanism on friction bearings.
- A special labyrinth reliably protects without friction and guards against water penetrating into the housing.
- Electronically controlled heating for operation in winter conditions to prevent bearings and external rotating parts from freezing.

## Technical Data

| | |
|---|---|
| Measuring range: | 0.5 to 50 m/s |
| Accuracy: | ±0.5 m/s ±3 % of meas. value |
| Resolution: | 0.1 m/s |
| Measuring principle: | optoelectronically (slotted disk) |
| Sensor power supply: | 9–30 V DC through ALMEMO® device |
| Heating: | 24 V AC/DC max. 20 W |
| Operative range: | -30 to +70 °C, with heating |
| Cable: | 12 m long, LiYCY 6 x 0.25 mm² |

| | |
|---|---|
| Connection: | Adapter cable with ALMEMO® connector including supply cable for heating (length 1.5 m, free ends)<br>A mains supply unit must be provided by the user on site. |
| Installation: | e.g. pole tube with holding thread PG21 / drilling 29 mm Ø |
| Weight: | 750 g |

| Type | Order no. |
|---|---|
| Cup-type anemometer including ALMEMO® connector (0–2 V) with 12 m cable | **FVA6152** |