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

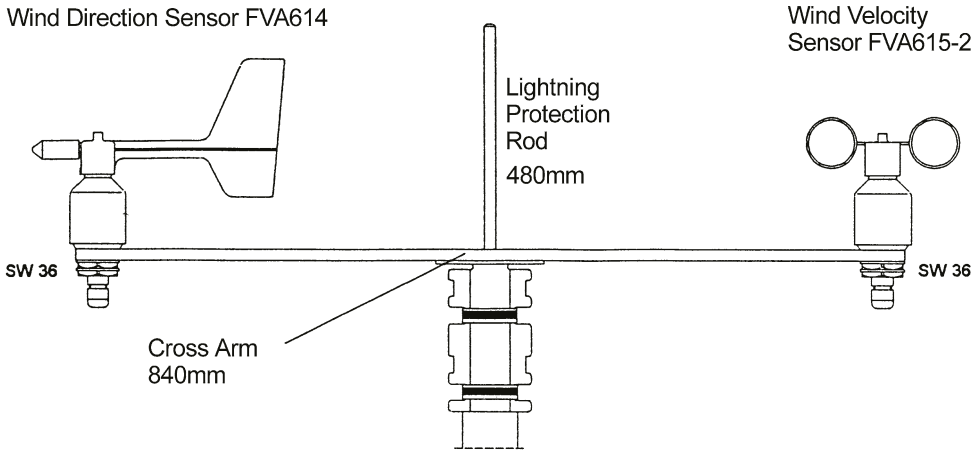
Measuring range:	0 to 360°
Accuracy:	±5°
Resolution:	11.25° (5 bit Gray code)
Measuring principle:	optoelectronically (slotted disk)
Sensor power supply:	9–30VDC through ALMEMO® device
Heating:	24VAC/DC max. 20W
Operative range:	-30 to +70 °C, with heating
Cable:	12m long, LiYCY 6 x 0.25mm²

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

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

Accessories for wind direction and wind velocity sensors

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



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

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

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