

# METEOROLOGY

## Wind Velocity Sensor Type FVA615-2



- ▶ Wind sensor for measuring the horizontal wind velocity.
- ▶ Cup-type made from stable plastic, electronics in weather-resistant aluminium housing, rotating mechanics guided in high-quality ball bearings.
- ▶ A special labyrinth reliably protects without friction and guards against water penetrating into the housing.
- ▶ With electronically controlled heating for winter operation to prevent ball bearings and external rotational parts from freezing.

**Type:**

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

**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 0.25mm <sup>2</sup>
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:	750g

**Accessories:**

Longer cable, please specify length (L) Order No. ZB9060K(L)

## Wind Direction Sensor Type FVA614



- ▶ Wind direction sensor for measuring the horizontal wind direction.
- ▶ Wind vane made from stable plastic, electronics in weather-resistant aluminium housing, rotating mechanics guided in high-quality ball bearings.
- ▶ A special labyrinth reliably protects without friction and guards against water penetrating into the housing.
- ▶ With electronically controlled heating for winter operation to prevent ball bearings and external rotational parts from freezing.

**Type:**

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

**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 0.25mm <sup>2</sup>
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:	1100g

**Accessories:**

Longer cable, please specify length (L) Order No. ZB9060K(L)

01/2005 We reserve the right to make technical changes.