

# VANE ANEMOMETER

Bidirectional air flow

## They follow the current...

of directional airflow. The cost-saving variant (1468) transmits an active, analogous output signal. It does not require any auxiliary power and has robust aluminum blades. High resolution, especially low starting values, and a large temperature range of application are characteristics of the variants with inductive proximity switches acc. to NAMUR. Special blade constructions allow operation in up to 30 m/s (option on request). Bidirectional flow measurement is made possible with unit (1468 S9) by two inductive sensors and rotational direction indicator.

- 10 blade impeller warrants fast response
  - wear-resistant measuring elements
  - 3 variants for specific requirements available
- heating / air conditioning
- ventilation and exhaust devices
  - street and railroad tunnels – special (1468 S9)



## Professional Line

## Series (1468) Vane Anemometers

Measuring range:  
Housing:  
Dimensions/ Weight:

0.1 (0.5)...20 m/s  
light metal · RAL 5009 (azure) · vane made of aluminium  
protection ring outside Ø 109 mm · D 60 mm · 0.4 kg

### Varieties:

**Id-No.:**

**Code:**

Measuring elements:

Range of application:

Starting values:

Outputs:

Current characteristic:

Internal resistance:

Supply voltage:

Standards:

### Accessories:

**00.14953.000 000**

**00.14680.020 400  
(1468)**

DC-measuring generator  
-30...+60°C  
0.5 m/s  
0...4 mA = 0...20 m/s  
 $R_a = 105 \Omega$   
 $v = 4.9 l + 0.5$

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**00.14683.015 070  
(1468 I507)**

1 inductive sensor  
acc. to NAMUR  
-25...+100°C  
0.1 m/s  
300 Hz ± 6 Hz  
at 10 m/s

~ 1 kΩ

8 V<sub>DC</sub> for proximity switch

DIN 19234

**00.14689.005 020  
(1468 S9)**

2 inductive sensors  
acc. to NAMUR  
-30...+60°C  
0.1 m/s  
2 x 170 Hz ± 4 Hz  
at 20 m/s

~ 1 kΩ

8 V<sub>DC</sub> for proximity switch

DIN 19234

**(14953 DA)**

**Digital-Analog-Transducer** (optional) for (1468 I507) [see page 102.](#)

**Detectors of rotation direction** on request.

