

1468 VANE ANEMOMETER



A sturdy, small construction ...
for mobile or stationary use. 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. Bidirectional flow measurement is made possible with unit (1468 S9) by two inductive sensors and a rotational direction indicator.

- 10 blade impeller warrants fast response
- wear-resistant measuring elements
- 3 variants for specific requirements available
- cable length 3m

APPLICATIONS

- heating / air conditioning
- ventilation and exhaust devices

Professional Line	1468 Vane anemometer
Id-No.	00.14680.020400 (1468) • 00.14683.015 070 (1468 I507) • 00.14689.005 020 (1468 S9)
Measuring range	0.1 (0.5)...20 m/s
Starting value	(1468): 0.5 m/s • (1468 I507) / (1468 S9): 0.1 m/s
Output	(1468): 0...4 mA = 0...20 m/s • Ra = 105 Ω (1468 I507): 300 Hz ± 6 Hz at 10 m/s (1468 S9): 2 x 170 Hz ± 4 Hz at 20 m/s
Internal resistance	(1468 I507) / (1468 S9): ~ 1 kΩ

Continued on page 2

Professional Line	1468 Vane anemometer
Current characteristic	[1468]: $v = 4.9 \text{ l} + 0.5$
Range of application	[1468]: -30...+60 °C [1468 I507]: -25...+100 °C [1468 S9]: -30...+60 °C
Supply voltage	[1468 I507] / [1468 S9]: 8 V DC for proximity switch
Measuring elements	[1468]: DC-measuring generator [1468 I507]: 1 inductive sensor acc. to NAMUR [1468 S9]: 2 inductive sensors acc. to NAMUR
Dimensions	protection ring outside Ø 109 mm • D 60 mm
Housing	light metal • RAL 5009 (azure) • vane made of aluminium
Weight	approx. 0.4 kg
Standards	[1468 I507] / [1468 S9]: DIN 19234
Accessories (order separately)	00.14953.000 000 [14953 DA] Digital-Analog-Transducer (optional) for [1468 I507] 00.14949.200 000 [14949.2] Digital-Analog-Transducer with detection of direction of rotation (optional) for [1468 S9]

As of: 11.06.2019