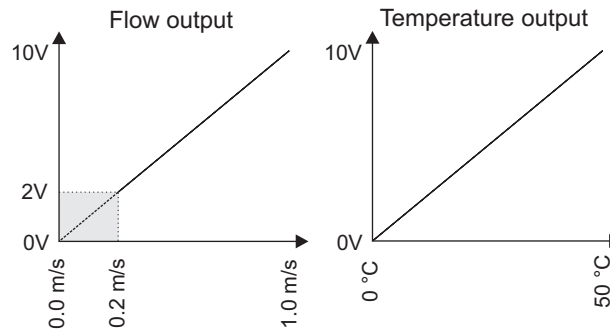
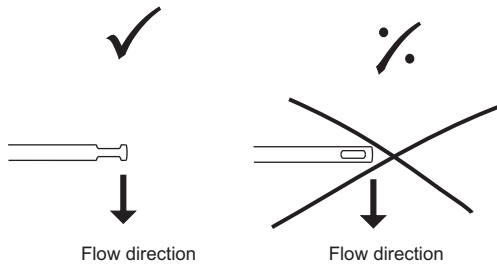
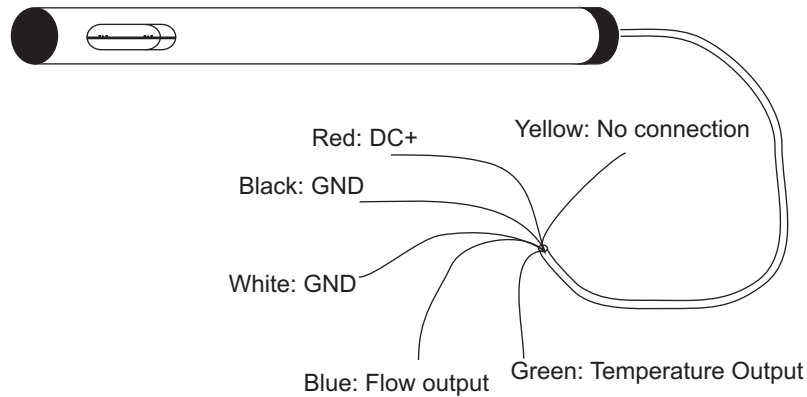


# Flow sensor

## Flow sensor for cleanroom and LAF Units



Accuracy is not guaranteed in this area

### Technical specifications:

Power supply	15-30 VDC 20 mA
External mains fuse	max 300mA
Operating temperature	15-30 °C
Accuracy, flow	± 0.06m/s at 25 °C
Output, flow	2V - 10V DC 5mA (0.2 - 1.0 m/s)
Accuracy, temperature	± 1°C
Output, temperature	0 - 10V DC 5mA (0 - 50 °C)
Output, load	>2000 Ohm or maximum 5 mA.
Output, Impedance	10 Ohm
Dimensions:	Ø18 x 200 mm
Cable length:	2 m

### Description:

Flow sensor for measuring range 0.2 - 1.0 meter/sec.

Flow [m/s]:	(output) / 10	eg. (4.5V = 0.45 m/s)
Temperature [°C]:	(output) x 5	eg. (4.5V = 22.5 °C)

The sensor start up time is approx. 2 minutes from supply of power.

### Mounting:

It is important that the sensor is positioned correctly to ensure that the air passes straight through the opening in the sensor pipe.

To insure proper function the sensor should be installed so the temperature of the entire pipe is the same as the temperature of the measured air. It is not advisable to install the sensor in ducts with air streams hotter or colder than the temperature environment of the entire product.

Red:	DC+
Black:	DC GND
White:	DC GND
Blue:	2 - 10VDC out (Flow)
Green:	0 - 10VDC out (Temperature)
Yellow:	No connection

### Cleaning/maintenance:

It is not advisable to disassemble the product, as this will affect the accuracy. The product may be cleaned with air. If compressed air is used, please show caution.



Drawing: 950-206119\_FlowSensor\_ES1012\_UK  
 Rev.: 1.2  
 Date: 16/10-2014  
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