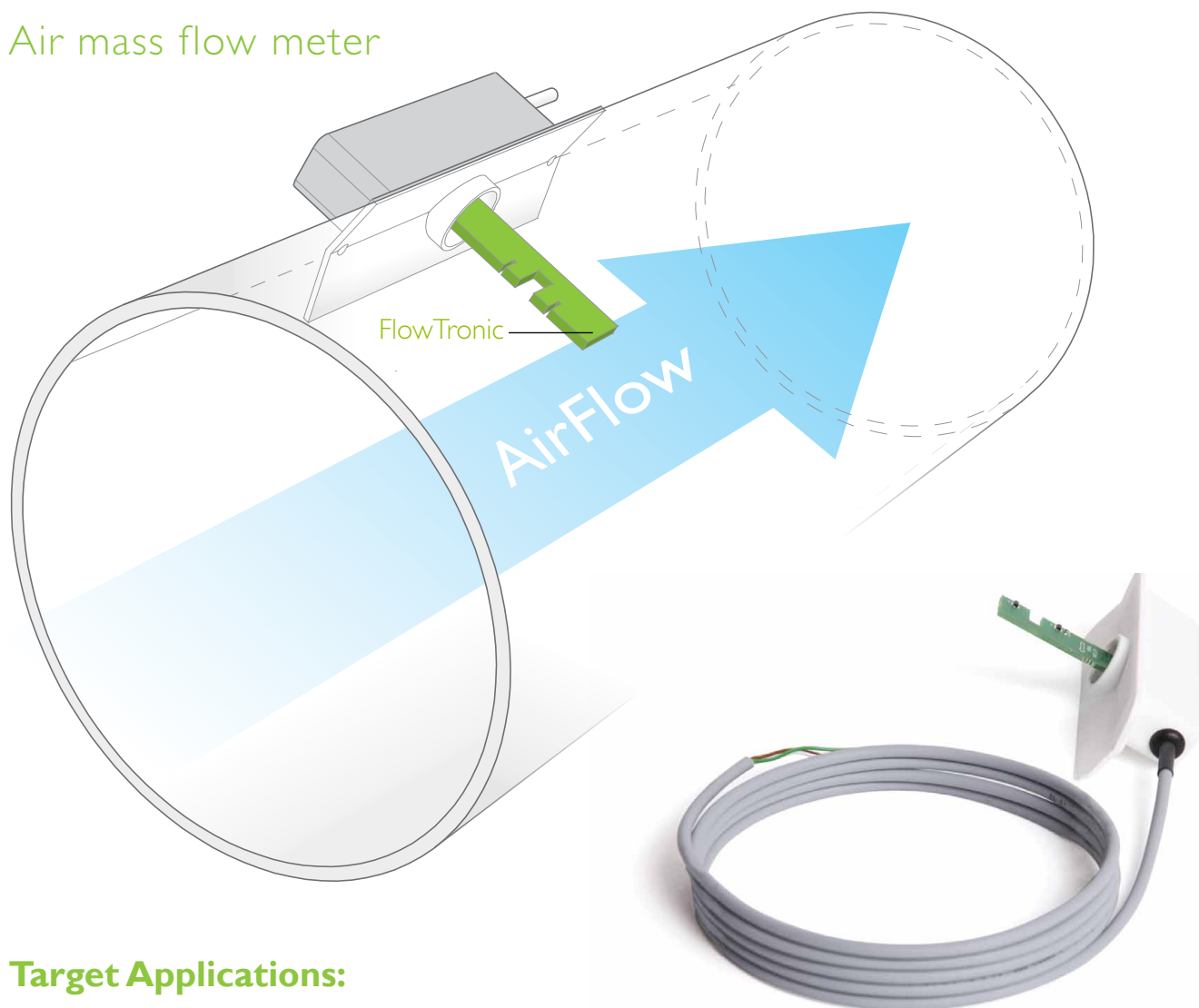


Fumis FlowTronic

Air mass flow meter



Target Applications:

BIOMASS BOILERS, STOVES and BURNERS using Fumis controllers.

Various combustion devices.

General purpose mass air flow measurement as for example ventilation systems, air to air heat recuperation systems, air purifying systems, home appliances and others.

Key benefits:

Using FlowTronic with Fumis controllers you are able to keep the combustion efficiency high regardless the current chimney draft, air temperature and overall state of the device.

In comparison to conventional combustion control you get an average improvement of more than 20%. Thanks to the precise control of the air getting in the combustion device it is possible to keep gaseous and particulate emissions at very low levels across the entire operation range.

In combination with Fumis controllers FlowTronic allows to modulate the power down to 20% of the nominal power, increasing operational stability of the devices.

Use with Fumis controllers (ALPHA & OXY):

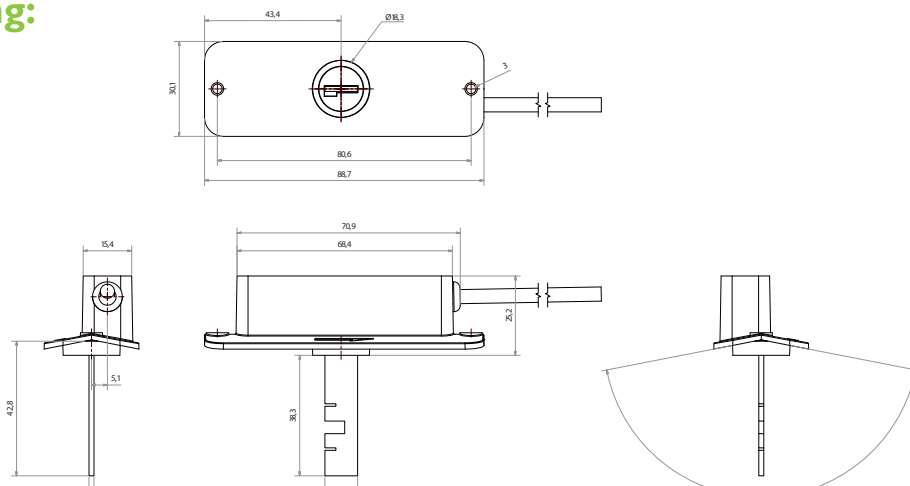
FlowTronic comes with a connecting cable that directly fits to Fumis combustion controllers. You only need to use the PC-PRO controller set-up programme and enable the FlowTronic option and Flow Control combustion control. From than on, the Fan parameters set the air mass flow.



General purpose usage:

Flowtronic outputs an analogue voltage. The output voltage is proportional to the air flow for the given tube section.

Mounting:



Technical characteristics:

FlowTronic is a mass air flow sensor designed for cost effective air flow measurement in combustion devices and for general purpose applications.

SPECIFICATIONS	
Measurement range:	at internal diameter 70mm: 54l/min – 463l/min
Accuracy:	+/-2% at 25°C
Power supply voltage:	16V-22V
Current:	typical 25mA, max: 40mA (dependant on air flow)
Temperature range:	-20°C to +70°C
Humidity range:	max. 95% at 25°C, 40% at 70°C
IP rating:	box (outer part) IP62 • sensing part IP50
Output:	Analogue voltage 0-5V
Heat up time:	typical 60s, max 120s
Responsiveness:	typical 2s (for 10% flow change) to 12 s (for 90% flow change)
Resolution:	approximately 1,5l/min (for air intake tube internal diameter 70mm)
Dimensions:	86,7 × 30,3 × 23,1
Mounting	2 screws

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