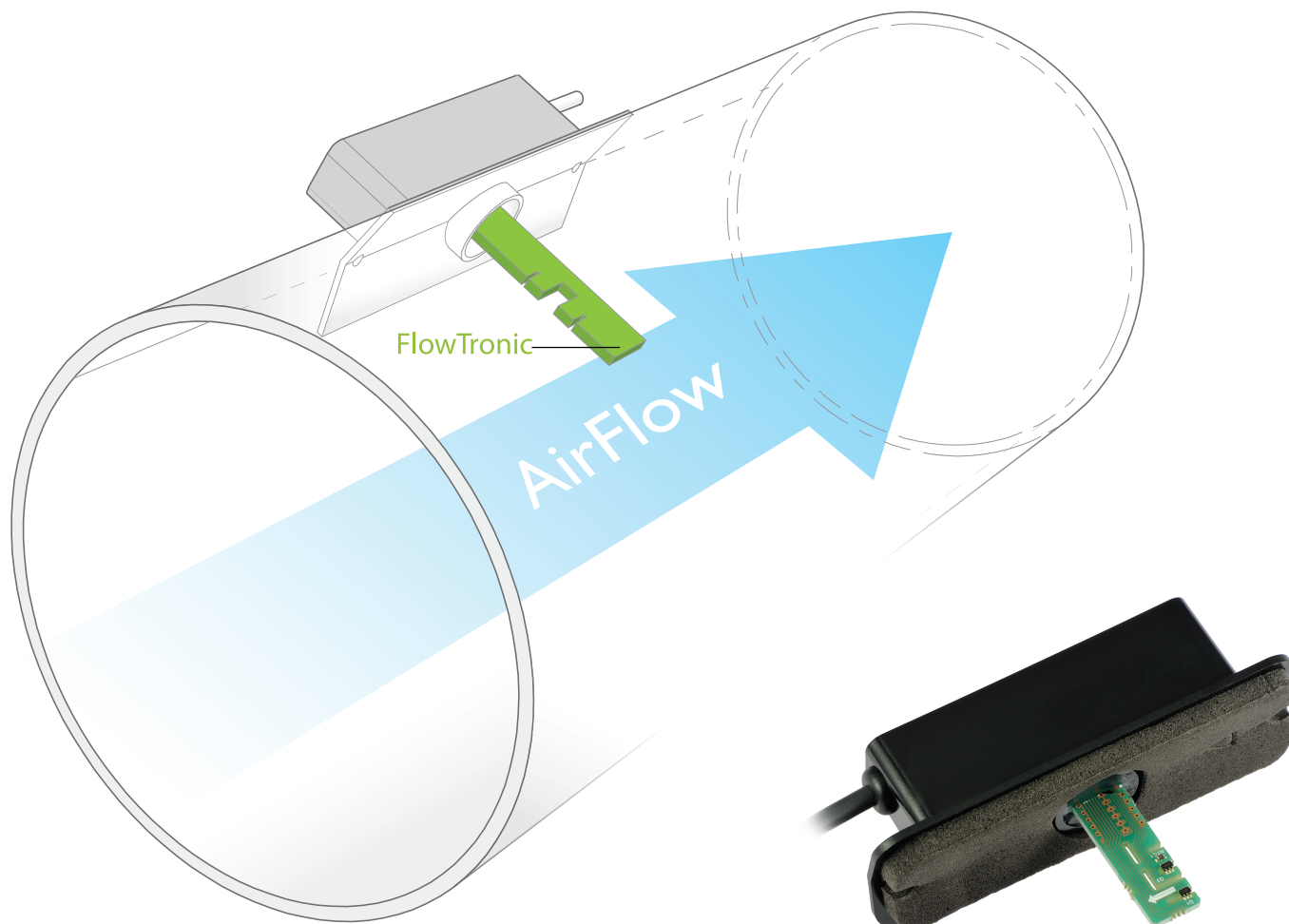


Fumis FlowTronic



Air mass flow meter



Target applications:

BIOMASS BOILERS, STOVES and BURNERS using Fumis controllers.

Various combustion devices.

General purpose air mass 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:

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:

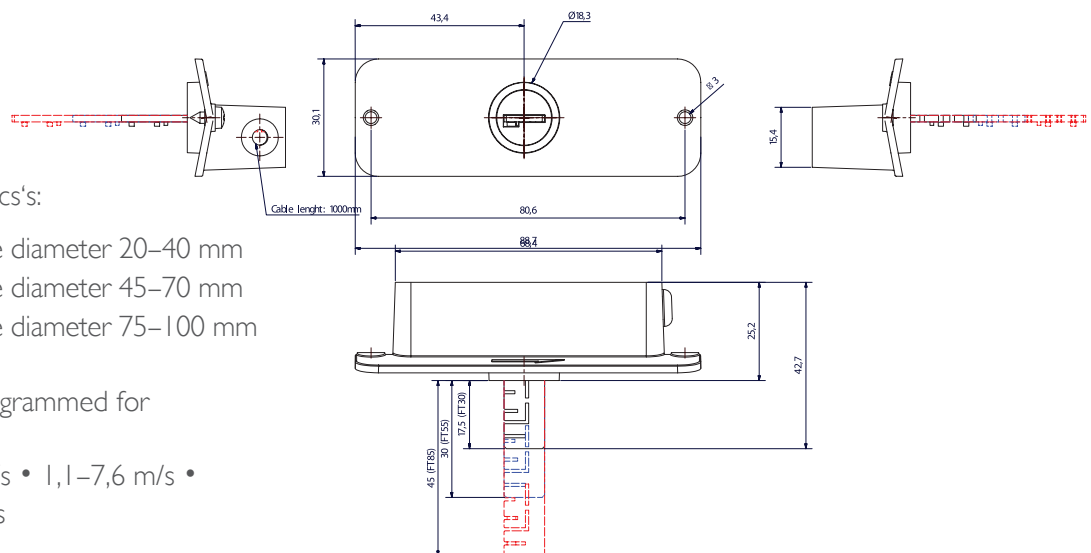
FlowTronic outputs PWM 0–100%. The output PWM is proportional to the air flow through the air inlet tube.

Mounting:

We have 3 different dimensions of FlowTronics':

- FlowTronic 30, for tube diameter 20–40 mm
- FlowTronic 55, for tube diameter 45–70 mm
- FlowTronic 85, for tube diameter 75–100 mm

Each of them can be programmed for 5 different speed zones:
 0,5–3,2 m/s • 0,7–5,4 m/s • 1,1–7,6 m/s • 1,5–9,7 m/s • 2–13,3 m/s



Technical characteristics:

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

SPECIFICATIONS

Accuracy:	± 2% at 25°C
Power supply voltage:	11V–26V DC
Current:	typical 25mA • max: 40 mA (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:	PWM 0–100% 5V
Heat up time:	typical 60 s • max 120 s
Responsiveness:	typical 2 s (for 10% flow change) to 12 s (for 90% flow change)
Speed ranges:	0,5–3,2 m/s • 0,7–5,4 m/s • 1,1–7,6 m/s • 1,5–9,7 m/s • 2–13,3 m/s
Dimensions:	86,7 × 30,3 × 23,1 • 88,7 × 30,1 × 42,7 • 88,7 × 30,1 × 55,2 • 88,7 × 30,1 × 70,2
Mounting	2 screws
Internal inlet tube diameters:	FT30 = 20–40 mm • FT55 = 45–70 mm • FT85 = 75–100 mm

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