

# 180 FIREFLY GAS PROBE

AVAILABLE WITH TITANIUM SAMPLING LINE



- Suitable for sampling in compliance with  
UNI EN 13649  
UNI EN 14790  
UNI EN12619:2013
- Digital temperature settings up to 180 °C
- Built-in micro-filter
- Heated probe tip



# 180 FIREFLY GAS PROBE

## AVAILABLE WITH TITANIUM SAMPLING LINE

The FIREFLY gas probe is designed to sample chimney gases.

Its technical features make it ideal for S.O.V. sampling in compliance with UNI EN 13649 and, using the heated sampling tube for determining condensation, in compliance with UNI EN 14790.

It may also be used with combustion analyzers, with paramagnetic oxygen sensors and F.I.D. portable analyzers. (UNI EN 12619).

FIREFLY is equipped with a single thermo-regulator for setting and regulating the same temperature for the probe body and the tube.

The display allows instantaneous temperature viewing.

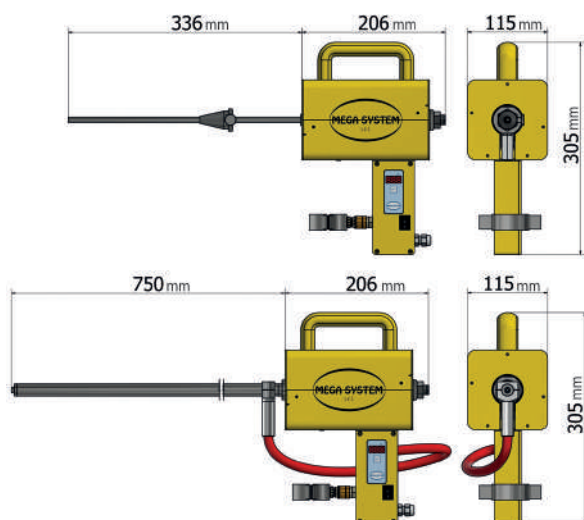
FIREFLY may be supported on the chimney using an insulated practical grip located on the top of the probe and a sliding device, complete with a universal flange.

Internally, the probe contains a micro-filter with a 3  $\mu$ m degree of porosity, which is necessary to reliably retain solid impurities. This micro-filter can easily be cleaned / washed or replaced.

It is possible to inject calibration gas in the probe, without disassembling it, just as it is possible to inject diluted gas for S.O.V. sampling in very humid chimneys.

The probe is available in two versions: one with an interchangeable non-heated tube (Length: 350 mm); the other with a heated tube (Length: 750 mm). In addition, it is possible to equip the probe with a thermocouple to measure the chimney temperature (option).

### 180 FIREFLY GAS PROBE



### TECHNICAL SPECIFICATIONS

#### ■ Temperature

Probe heating temperature	Range: 100 ÷ 180 °C
Sampling tube heating temperature	Range: 100 ÷ 180 °C

#### ■ Interface

Display	Numeric (3 digit)
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#### ■ Environmental Conditions

Ambient Temperature	0 ÷ +45 °C 95% UR
Chimney Temperature	Max 350 °C

#### ■ Energy

Power	230 Vac – 50 Hz
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#### ■ Consumption

Probe body	300 W
Heated sampling tube	200 W

#### ■ Weight

With non-heated tube: length 350 mm	4,9 kg
With heated tube: length 700 mm	5,3 kg

#### ■ Supplied with

Silicon carbide filter	Porosity 3 $\mu$ m
Technical Manual	
Test Report	
Carry Case	

