

SAMPLING  
SOLUTIONS

MEGA SYSTEM

CALIBRATION  
& METROLOGY

# FIREFLY



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



# FIREFLY

The **Firefly** gas probe is designed to **sample chimney gases**. Its technical features make it ideal for volatile organic compounds (**VOCs**) 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.

The probe is **easy to use on stack applications** thanks to the **practical thermally insulated handle** located at the top of the probe, and a sliding device equipped with a universal flange.

Inside the probe, there is a **micro-filter** with a porosity rating of 3 µm, designed to safely retain solid impurities. This micro-filter can be easily cleaned and/or replaced.

**Calibration gas** can be injected into the probe without disassembling it. It is also possible to inject diluted gas for VOC sampling in very humid stack conditions.

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). The probe can also be equipped with a 750 mm heated titanium sampling tube, complete with a full titanium sampling line for high-temperature sampling applications (optional).

## TECHNICAL FEATURES

• TEMPERATURE	
Probe heating temperature	100 ÷ 180 °C
Sampling tube heating temperature	
• INTERFACE, DATA ARCHIVING	
Display	Numeric (3 digit)
• ENVIRONMENTAL CONDITIONS	
Ambient Temperature	0 ÷ +45 °C 95% UR
Chimney Temperature	Max 350 °C
• ENERGY	
Power	230 Vac – 50 Hz
• 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
With heated titanium tube: length 700 mm	4.5 kg
• SUPPLIED WITH	
Silicon carbide ceramic filter	Porosity 3 µm
Technical Manual	
Test Report	
Carry Case	

## FIREFLY

