

## Probe module

One of the main innovation of the EmiTest Iso is the probe module. This module is directly attached to the probe, and manages :

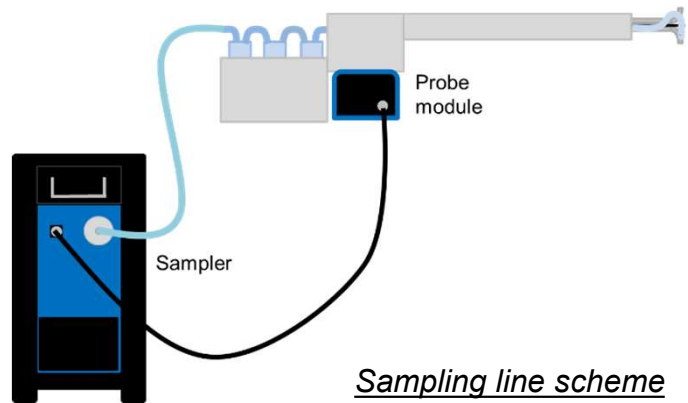
- Velocity measurement, Pitot differential pressure, stack pressure, and temperature.
- Probe and box heating control.
- Probe and imopinger temperature.
- Angle measurement (optional)

Other advantages are:

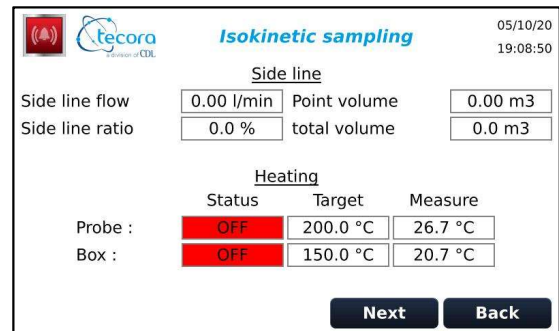
- Better accuracy of differential pressure reading (shorter distance between sensor and Pitot head)
- Lighter umbilical cable.

An optional feature:

- A remote screen can be plugged into the probe that permits remote control of the sampler, avoiding operation of the EmiTest on the limited space of the stack platform.



Sampling line scheme



Side line and probe and box heating control view



Probe module on sampling probe

## Main features

- 3 modes: velocity measurement, isokinetic sampling, constant flow sampling.
- All sensors can be calibrated in 5 points by user for optimal data quality.
- Calibration reports are registered in memory.
- Pitot and Stack library (over 100 capabilities) with nozzle utility
- Leak test menu
- User customizable settings (Normalization conditions, performance tests routines...)
- Water sensor for instrument protection
- Automatic autozero and functional checks during start up.

## Reliability

EmiTest Iso is equipped with industrial class electronics.

Data are saved on an independent and secured memory to avoid data loss.

Internal check routines are performed automatically to insure good instrument functioning.

Internal water sensor stops pump when liquid enters the system to protect sensible parts.

Casing is designed to be user-friendly but also fieldproof.