

# Heating check with EUROLYZER ST



**All adjustment and inspection measurements for the entire heating system with a single device:**  
**Flue gas analysis, differential temperature, differential pressure, heating system inspection, 4 Pa test**

## Features:

- Intuitive, menu-guided heating system inspection with automatic calculation of the evaluation points
- Fast and convenient measurement, data transmission via Bluetooth
- Immediate measurement and display of surface losses and ventilation losses
- Fast and easy determination of potential energy savings and suggestion of appropriate action
- Documentation of measured results possible by means of printer
- Easy retrofitting of EUROLYZER ST instruments already operating in the field

## Energetic evaluation of the heating system as per EN 15378

The EU directive covering the energy efficiency of buildings requires, among other things, a one-time inspection of heating systems with heat generators that are 15+ years old.

The heating check is a suitable means of identifying weak points in heating systems with regard to energy efficiency. It is a reliable, standardised inspection procedure for heating systems. The objective is to provide consumers with simple and easy-to-understand information on potential energy savings for heating and to point out a good cost-benefit ratio for modernisation of heating systems. However, considerably newer heating systems also have great saving potentials, not just older facilities. Replacing the boiler is just one of many measures

that can be taken. The optimisation of the existing heating system offers tremendous energy savings potential.

## The heating check

- Measurements at the heat generator
- Flue gas losses
- Surface losses
- Ventilation losses

## Visual inspection and evaluation of the heating system

- Heat generation: oversizing, recovery of heat of condensation, boiler temperature control
- Heat distribution: hydraulic balancing, heating pump, insulation
- Heat transfer: room temperature control

Refer to pages 485–487 for technical specifications and prices.

# Heating check with evaluation instrument HC-10 and module HC-M



**Evaluation instrument HC-10**



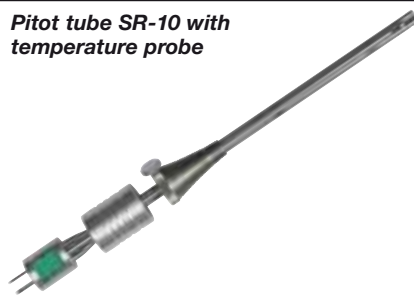
**Heating check module HC-M**



**EP check**



**Pitot tube SR-10 with temperature probe**



**4 Pa kit**



## **Evaluation instrument HC-10 for heating check**

The HC-10 evaluation instrument for heating checks with Bluetooth is an ergonomically designed hand-held device for the energetic evaluation of heating systems (surface and ventilation losses) as per EN 15378. It is operated via a touchpad for easy scrolling. The HC-10 evaluation instrument receives the measured value via wireless Bluetooth from the heating check module HC-M and performs an automatic calculation of the evaluation points. The measured results can be easily documented by means of a printer. In addition, the HC-10 evaluation instrument also allows for temperature and differential temperature measurement via the standardised temperature connections. Together with the EP check, it is also possible to measure any type

of differential pressures in the range of  $\pm 20$  mbar. The measured values can be optionally stored on a MicroSD card.

## **Heating check module HC-M**

The HC-M heating check module consists of a straight Pitot tube SR-10 (removable), a surface probe and the EP check.

## **EP check**

The EP check features a Bluetooth interface as well as a differential pressure sensor and a temperature sensor. The measured values are recorded directly at the measuring point; there are no tubes required. The measured values are transmitted wirelessly to the HC-10 evaluation instrument or other data recording systems, e.g. netbooks, provided they are equipped with a Bluetooth interfa-

ce and the appropriate software. It is possible to connect the Pitot tube probe SR-10, the 4 Pa kit or the suitable surface probe to the EP check.

## **Scope of delivery**

### **Heating check Comfort HC-C**

Evaluation instrument HC-10, straight Pitot tube SR-10, EP check, surface probe, case

### **Heating check Economic HC-E**

Straight Pitot tube SR-10, EP check, surface probe, PC software

Refer to page 480 for suitable temperature probes.

**Prices on request.**