

Temperature Control

HT / HTI

Sampling – Processing – Analysis



TEMPERATURE CONTROLLER

HT / HTI

For easy handling in emission monitoring, a sample gas conditioning system with integrated temperature controller is recommended. Here we differentiate between a microprocessor controller HT 43 and the high tech integral temperature controller HTI 16.



Microprocessor-controller HT 43

The temperature controller HT 43 is designed for heated sample gas lines with a temperature sensor. Special emphasis was placed in its construction on simple and clear handling.

The infrared detector offers the possibility of permanently detecting one to three infrared-active gases (such as CO, CO₂, NO, SO₂, CH₄) at the same time. In addition, oxygen O₂ can be determined with an electrochemical sensor.

Despite its compact design, the gas monitor GO-BGM can be equipped with numerous options, e.g. filtering and condensate monitor with shutdown of the sample gas pump in the event of a moisture intrusion.

High-Tech Integral-Temperature controller HTI

Does not require a conventional temperature sensor. The HTI control measures the temperature of the heating wire as an integral over the entire length.

Every point of the heating hose is accounted for in the temperature measurement. This has the advantage that the temperature measurement is not taken at a single, arbitrary point, but as an integral over the whole heated medium (patented).

ADVANTAGES

- ❑ Simple and clear handling
- ❑ Measurement can be done as an integral over the heated medium
- ❑ Multifunctional LED display with status and error display

PERFORMANCE PROFILE

TEMPERATURE CONTROLLER HT / HTI

Power supply	230 V, 50 - 60 Hz
Power consumption	HT 43: 2300 watt HTI 16: 3600 watt
Control behaviour	Overshoot and no detectable control hysteresis, quality class 2 %
Housing	ABS IP 65, Other on request
Dimensions	H 160 x B 100 x T 90 mm
Power cable	1,5 m with power plug output via a multipole connector
Display	LED display multifunktional with status and error messages



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