



with gas treatment system

benefits

- automatic sensor regeneration via fresh air valve allows for convenient long-term measurements of up to 12 hours
- optionally with humidity sensor for sensor protection
- smart system protection by means of continuous monitoring of fresh air valve, heated line, cooler and humidity sensor
- particularly suitable for industrial applications due to the robust, lightweight design (7.5 kg)
- Large range of probes: Heated line including draft and flue gas temperature, - Modular probe system, high-temperature probes
- automatic zero point for convenient and fast measurement preparation



Application

Gas treatment system specially for mobile applications. Whenever high-precision gas analysis is required where the flue gas may contain pollution and condensate, MAXISYSTEM ST is the system of choice. In the analysis of highly water-soluble gases such as NO₂ and SO₂, MAXISYSTEM ST must be used in order to be able to obtain reliable measurement results.

Description

The modular measurement concept allows to use the corresponding flue gas analyser MULTILYZER STx as a "stand-alone device" or in conjunction with MAXISYSTEM ST. With the integrated temperature controller, the temperature of the heated line can be optimally adjusted to the application between 100 °C and 180 °C. Flue gas analysis, draft/differential pressure and flue gas temperature are directly measured. Efficiency, flue gas loss and dew point are calculated in real time. The operating state of the measuring device can be checked via the status indication of the heated line and the gas cooler. The condensate outlet integrated in the housing reliably discharges condensate. MAXISYSTEM ST is designed for quasi-continuous operation with an operating time of up to 12 hours.

Technical Specifications

Operating temperature range

Ambient: 5/40 °C

Storage: -20/+50 °C

Gas outlet dew point:

Factory setting: 5 °C

heated sampling line

adjustable: 100/180 °C

alarm threshold

± 3 K around dew point of gas cooler or temperature of sampling line

nominal cooling capacity

72 kJ/h at 25 °C

Supply voltage

AC 230 V, 50/60 Hz

wetted parts

Stainless steel, PTFE, PVDF, Silicone, fluoroelastomer, PA

Housing

W x H x D: 420 x 350 x 220 mm
Weight: 7.5 kg ()
Degree of protection: IP 42 (EN 60529)

Interface

Bluetooth®

Versions

		Part no.
with gas treatment system MAXISYSTEM ST		M05100210

- in-stock items
- Non-stock items