



Mobile gas analysis system MCA 04

GASANALYSATOR



With TÜV-approved analysers according to
TI Air, 13th, 17th and 27th BImSchV

Field of application

The analysis system MCA 04 is an extractive continuous measuring system with an excellent cost-performance ratio.

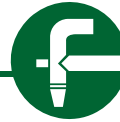
It is not only suited for the use on raw and clean gas side but also as process measuring device in the same manner.

Application

Multi-component gas analysis system for the application in official and operational emission measuring systems e.g. for:

- ⇒ Monitoring of exhaust gas concentration from firing systems with different types of fuel (oil, gas, coal biomass, substitute fuels etc.) as well as in thermal incineration plants
- ⇒ Optimisation of small firing systems
- ⇒ Monitoring of processes

- ⇒ **Mobile gas analysis system** for installation in measuring systems for continuous emission measurement
- ⇒ **Hot measurement (without gas cooler)**
- ⇒ Simultaneous measurement of max. 8 Infrared components (e.g. **CO, NO, NO₂, N₂O, SO₂, HCl, NH₃, H₂O, CO₂**) and oxygen **O₂**
- ⇒ Simple installation in the analysis container or at the measuring point
- ⇒ Analogue outputs:
 - max. 8 x **4 ... 20 mA**
- ⇒ Digital outputs (potential-free):
 - for failure, maintenance, maintenance request and measuring ranges adjustable
- ⇒ use at different sites, for applications with changing measuring points or as a replacement analyser
- ⇒ Integrated electronic recorder for measuring value recording and transfer to PC



Technical data

Case:	Mobile case, dimensions 530 x 450 x 565 mm (W x H x D, ca. 59 kg depending on configuration, IP 54
Measuring principle:	CO, NO, NO ₂ , N ₂ O, SO ₂ , HCl, NH ₃ , H ₂ O, CO ₂ : Infrared absorption (Single-Beam Dual-Wavelength Method respectively gas filter correlation) O ₂ : ZrO ₂ -cell
Smallest measuring ranges:	CO: 0 ... 75 mg/m ³ , NO: 0 ... 100 mg/m ³ , NO ₂ : 0 ... 100 mg/m ³ , N ₂ O: 0 ... 50 mg/m ³ , SO ₂ : 0 ... 75 mg/m ³ , HCl: 0 ... 15 mg/m ³ , NH ₃ : 0 ... 30 mg/m ³ , H ₂ O: 0 ... 40 Vol%; CO ₂ : 0 ... 20 Vol%, O ₂ : 0 ... 25 Vol%
Calibration:	Zero point: automatically with ambient air; sensitivity: with test gas
Display:	7.4" black/white LC-Display (640*480 Pixel)
Media temperature:	Max. 200 °C
Ambient temperature:	+5 ... +35 °C
Interfaces:	RS 232, optionally MOD-Bus
Analogue signals:	8 x 4 ... 20 mA (optionally further analogue outputs)
Digital signals:	D/O: for failure, maintenance, maintenance request and measuring range signalisation available (230 V, 1 A)
Digital inputs:	Optionally for analogue and digital signals
Power supply:	400 VAC, 50 Hz, 3~
TÜV-approval:	TI Air, 13 th , 17 th and 27 th BImSchV