

# Mobile Analysis System MAS



Precise measurement of sample gases at different places requires an adequate analyzer and a reliable sample conditioning. The transport of the whole system must be easy and especially safe.

The systems type MAS combine a 19" gas analyzer and a conditioning system in a rigid flight case. The conditioning section is adapted to the application and contains the gas cooler, filter, pump, flow meter etc.

The flight case is made as a double wall housing and highly increases shock resistance. Wheels, carrying handles and a handle for pulling the case make moving of the system comfortable.

For storing cables, hoses, documentation and other things a lockable drawer is available.

The tube connections are self-locking quick couplers.

- **Analyzer and sample conditioning in one housing**
- **Free selectable analyzer**
- **Sample conditioning adapted to application**
- **Completely mounted and wired**
- **Quick coupling terminals**
- **Rigid shock reducing flight case with wheels and handles**
- **lockable drawer available**

## Shown system example

The analyzer is a BA 5000 multi component analyzer for the measurement of CO, NO, SO<sub>2</sub> and O<sub>2</sub> according to the 13.BImSchV and TA-Luft.

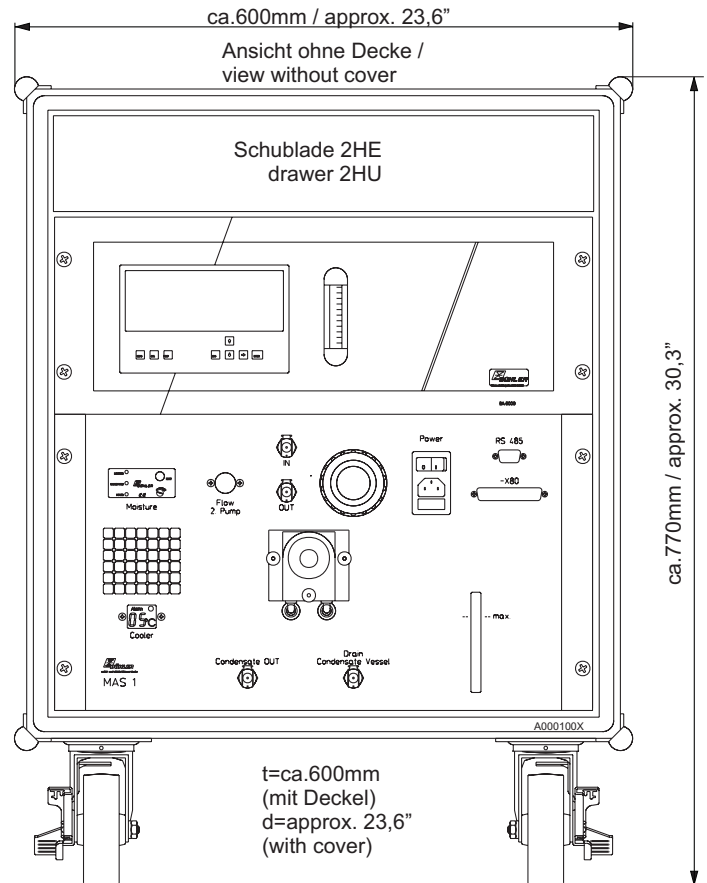
The sample conditioning consists of a condensate predrainer, a peltier gas cooler, a moisture sensor with controller, acid proof filter, a gas and a condensate pump. The system status and the cooling temperature can be read from displays. The tube connections are self-locking quick couplers.

An 2HU accessory drawer is included for the storage of tubes, power connection and documentation.

The MAS stands on four big wheels. On both sides are handles for carrying and on the backside a handle for pulling the system.

## Basic data of the system example

Ambient temperature:	0...50°C (30...120°F)
Weight:	about 55 kg
Power supply	230V / 50 Hz
Total gas flow	about 120 l/h



## Configuration of a MAS

### Housing

Dimensions of the housing mainly depend on the parts built in. Housings are available as single wall housings to reduce size.

### Analyzers

All analyzers in a 19" housing are possible:

Oxygen analyzers	BA 3000 and BA 6000-O <sub>2</sub>
Multi component analyzers	BA 3500, BA 5000 and BA 6000-IR

To select the required analyzer look at the analyzer data sheets.

### Sample conditioning

The sample conditioning is free configurable. It is based on the 19" sample conditioning systems type SCS.

For description and configuration see data sheet and questionnaire for 19" sample gas conditioning systems.

### Ordering information

- Choose an analyzer and define the required specifications like range and options etc.
- With behalf of the questionnaire define the conditioning section.
- Do you want an accessory drawer?
- Do you have special specifications of the housing?

**OR:** ask our representative or us for help.

