

Mobile Analysis System MAS



The Buhler MAS system combines a 19" gas analyzer and a sample conditioning system in a rigid transport case. The conditioning components, including the cooler, filter, pump, and flow meter, are customized to the application.

The transport case is double wall construction and highly shock resistant. Wheels, carrying handles and a handle for pulling the case make moving the system easy and comfortable.

A lockable drawer is available for storing cables, hoses, and documentation.

The sample lines are equipped with self-locking quick-connect couplers.

- **Analyzer and sample conditioning in one housing**
- **Variety of analyzers available**
- **Sample conditioning may be customized to application**
- **Completely mounted and wired**
- **Quick coupling connections**
- **Rigid shock reducing flight case with wheels and handles**
- **Lockable drawer available**

Example System

In this example, the analyzer is a BA 5000 multi component analyzer for the measurement of CO, NO, SO₂ and O₂.

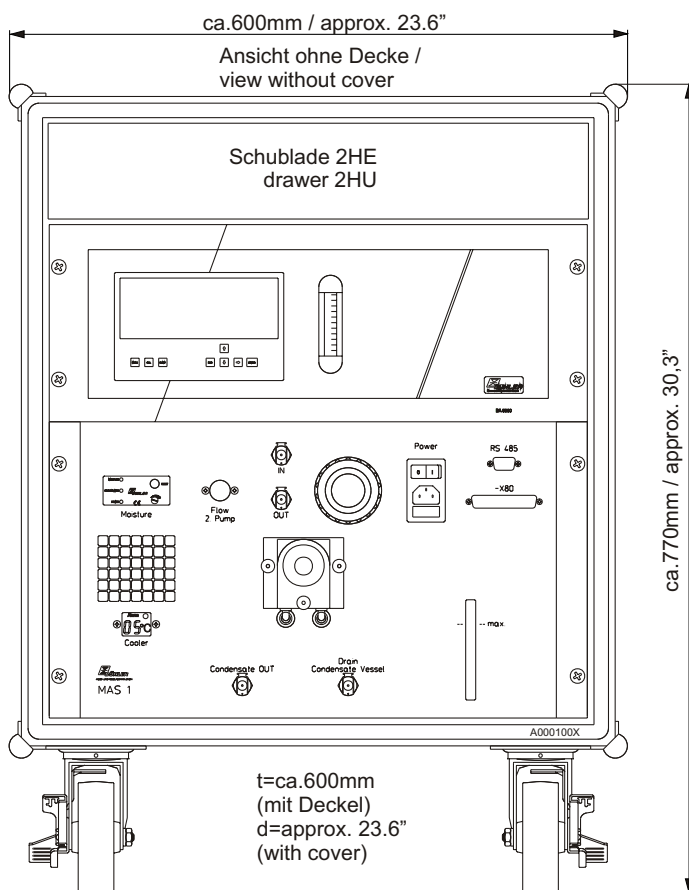
The sample conditioning consists of a condensate predrainer, a peltier gas cooler, a moisture sensor with controller, acid proof filter, a gas and a condensate pump. The system status and the cooling temperature can be read from displays. The sample line connections are self-locking quick couplers.

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

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

Example of Basic System Data

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.

Analysers

All 19" rack mount analyser may be used:

Oxygen analyser	BA 3000 and BA 6000-O ₂
Multi component analyser	BA 3500, BA 5000 and BA 6000-IR

To select the required analyser, please see the analyser data sheets.

Sample conditioning

The sample conditioning system is customized to the application. It is based on the Model SCS 19" sample conditioning system

For description and configuration see data sheet and questionnaire for the Model SCS sample conditioning system.

Ordering information

- Choose an analyser and define the required specifications (range, options etc.)
- Complete the questionnaire to define the conditioning system.
- Do you want an accessory drawer?
- Do you have special specifications of the housing?

OR: Contact one of our application specialists for assistance..

