



## We make it "EASY" for you!

Measuring gas cooling and measuring gas drying are important requirements for emission measurement. In this case, the exhaust gas to be measured, must be prepared before it reaches the analyzer, ie are usually dried. This is done by a gas conditioning system.

### Application / Use:

Process Analysis

The sample gas conditioning systems of the series GO-MO are used to prepare raw gas for continuous gas analysis. Interfering components of the raw gas must be removed from the sample gas.

Our specially developed and patented cyclone separator ensures that the measurement components (eg SO<sub>2</sub>, CO, NO, etc.) remain in the gas. It cleans and dries the sample gas carefully and prevents washing out.

### Description:

- \* Complete system: Peltier cooler and condensate pump, upgradeable
- \* Small & Compact: small size, light weight due to a polystyrene housing
- \* Shakeproof: transportation proved
- \* Temperature range: freely adjustable
- \* nearly **maintenance free**

### GO-MO 1

complete gas conditioning system with Peltier cooler and condensate pump



Temperature range:	freely between 3 to 15 ° C adjustable
Sample gas flow rate:	50-130 l / h
Housing:	Polystyrene
Dimensions:	360 x 254 x 111 mm (L x D x H)
Weight:	3.9 kg
Mounting:	wall mounting, portable

### GO-MO 2

complete gas conditioning system with Peltier cooler, condensate pump and an additional sample gas pump

The cooling block temperature with the patented therein cyclone heat exchanger of the peltier cooler is adjustable with an integrated temperature controller, located in the front cover of the housing.



Temperature range:	freely between 3 to 15 ° C adjustable
Sample gas flow rate:	50-130 l / h
Housing:	Polystyrene
Dimensions:	360 x 254 x 111 mm (L x D x H)
Weight:	3.9 kg
Mounting:	wall mounting, portable

### GO-MO 3

an upgrade for each sample gas conditioning system, which provides an outlet dew point of about 4 ° C. With integrated permeation, gas pump and optional membrane filter with condensate monitor. The gas volume is adjustable via flow controller.



Dew Point:	-10 ° C
Sample gas flow rate:	50-120 l / h
Housing:	Polystyrene
Dimensions:	360 x 254 x 111 mm (L x D x H)
Weight:	4 kg
Mounting:	wall mounting, portable

## GO-MO 2+3 combination with carrying device

### Advantages of this new combination of cooler and permeation dryer:

- **flexibility** by the combination of cyclone cooler and permeation
- **dew point** of **-10°C** achievable
- **2 Devices: light and handy** with only 10 kg compared with 23 kg GOT
- each **individually and independently usable** by itself



Housing: Polystyrene  
Dimensions: 360 x 460 x 250 mm (W x H x D)  
Weight: 10 kg  
Mounting: portable

## GO-VM 5

### Volumetric mixing device for up to 5 measurement gas flows

GO-VM5 was developed for a total or single measurement of up to 5 measurement gas flows with just one measurement device.

GO-VM5 therefore consists of 6 controllable pumps and 5 controllable volume flow regulators for a precise volumetric mixing of the 5 measurement gas flows. A downstream measurement device is then able to measure the resulting "sum gas". Via the control of each gas flow, it is even possible to measure each gas flow separately.



Housing:	Aluminium
Dimensions:	360 x 485 x 600 mm (W x H x D)
Weight:	ca. 26 kg

The measurement gas in each channel is flowing permanently to ensure "fresh and current" measurement gas at any time, avoiding switch over and flush effects.

With GO-VM5 it is possible to reduce the quantity of required measurement devices to just one. The sum value therefore can be measured directly and not need to be calculated.

GO-VM5 was developed for the use with our GO-ATC, but can be used as well in combination with other analyzers or measurement devices such as e.g. any FID. Variations with more or less measurement gas flows can be realized on request.