



# Moisture Analyzer FMG-01



Fig. 1: Optical moisture analyzer FMG-01

The moisture analyzer FMG-01 is an optical device for the measurement of the absolute moisture of gases at high temperatures. The standard device can operate with gas temperatures up to 350°C. A measuring probe for temperatures up to 850°C is optionally available. The measuring probe contains a photometric pathway that is protected from dirt by a sinter filter. The dependence of the measuring results on impurities and particles is minimized by a 2 wavelength measuring procedure. The measuring results are displayed at the electronics box and transferred to a computer or system controller by an analog line.

## Applications

- Moisture analysis in industrial systems
- Moisture analysis in exhaust gases

## Technical Data

Measuring range: 0 - 400 g/m<sup>3</sup> water  
Non-condensing  
Operation temp.: 0 to 350 °C  
Optical path length: 500 mm, folded

### Electronics Box / Display

Dimensions: 600 x 600 x 360 mm  
Weight: 30 kg  
Operation temp.: 0 to 40 °C  
Storage temp.: -10 to 40 °C  
Humidity: < 80 %, Non-condensing  
Power supply: 24 VDC or 230 VAC  
Switching contact: 1x 250V 1 A  
Signal current: 4 to 20 mA

### Measuring probe

Dimensions: flange DN80 PN16  
Weight: 15 kg

## Part number

Moisture analyzer FMG-01 831001