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# FLOW Controller Basic

Data Sheet EPE-155777



Made in  
GERMANY



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## Flow measuring system for gases

Flow measurement of gases using laminar flow elements, as well as venturis, blinds, gas meters and sonic nozzles



Similar to Figure

### Description

Flow measurement of gases using laminar flow elements, as well as venturis, blinds, gas meters and sonic nozzles. Evaluation of up to four external sensors (temperature, humidity, absolute pressure, differential pressure). EP-E Calculation in mass flow and standard volume flow; Measuring function with mean value formation. Intuitively usable adjustment of the controller

The following operating modes are available:

- Live display of current measured values (transfer via interfaces)
- Measurement with averaging the measured values over a defined period of time: Display of all averaged measured values over a period of time
- Adjustment or input of calibration values of the measuring elements: Input of several measuring elements

The flow processor (SPS, HMI, power supply for the sensor supply, etc.) is located in a 19 "rack. The flow processor can be operated via the HMI.

BASIC software with standard calculation routines for the conversion of measured values. Graphic user interface (HMI), operation via "F" buttons or touch screen.

The software has the following modules: Measurement - Diagnostics - Adjustment - Measuring elements - Data storage - User administration.

### Technical Data

#### Be entered sizes

Measurement time 1..3600 s

#### Measurement sizes

Humidity (depending on sensor) 0..100 % r.H.

#### Dimensionen

Outside dimensions (L x W x H) 550 x 415 x 545 mm (Rack Case 8HE)

Weight approx. 20 kg

### Benefits

- ✓ Universal for various flow measuring principles: Venturi nozzle / pipes / LFE / blinds / nozzle
- ✓ Compact, portable, simple user interface



### Standard solutions

#### Application examples:

#### Gas und Flowmeasurement:



Display and evaluation unit for various flow meter instruments



This is only an **example** interpretation and can change according to your needs.



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For special requirements we are happy to advise you. Subject to change. / EPE-155777 / Last update: 05/2017 / V01  
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