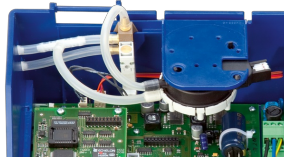




EXPANSION MODULE EM-  
AUTOZERO



EASYPRESS CONTROLLER  
INCLUDING EM-  
AUTOZERO

## EM-AUTOZERO

### AUTOMATIC ZERO POINT ADJUSTMENT FOR TROX UNIVERSAL AND EASYPRESS CONTROLLERS

Extension module for long-term stable volume flow measurement with reduced maintenance effort

- Especially recommended for volume flow measurement and control in critical areas
- Automatic recognition and use by the controller
- Expansion module is integrated into the housing of the EASYPRESS or TROX UNIVERSAL controller
- Easy retrofitting
- No additional configuration effort

## General information



### Application

- Extension module for EASYPRESS and TROX UNIVERSAL controllers based on the TCU3 controller board
- EM-AUTOZERO, automatic zero point correction for longterm stable volume flow rate measurement and reduced maintenance.
- Annual zero point adjustment manually not required
- Suitable for factory or retrofit installation Areas of application:
  - For EASYPRESS fume cupboard controllers
  - For EASYPRESS supply air, exhaust air or pressure regulators
  - For TROX UNIVERSAL supply air or exhaust air controllers
  - For TROX UNIVERSAL pressure regulators with integrated flow rate measurement (requires additional EM-V extension module)
- In areas with high requirements for measuring and controlling the volume flow, e.g. in laboratories, clean rooms for pharmaceuticals and semiconductor production, operating theatres, intensive care units as well as offices

### Special features

- Long-term stable volume flow rate measurement and reduced maintenance
- Automatic zero point correction as soon as the supply voltage is applied
- Cyclic zero point adjustment during operation (every 8 h)
- No additional configuration effort
- Expansion module is automatically recognised by the EASYPRESS and TROX UNIVERSAL controller

### **Parts and characteristics**

- Solenoid valve
- Connection cable with two-pin plug for connection to the TCU3 controller board
- Tubes for the connection of the static differential pressure transducer

### **Construction features**

- Dimensions and fixing suitable for EASYLAB and TROX UNIVERSAL controller casing
- The expansion module is inserted into a recess of the holder for the differential pressure transducer (no tools required)
- Can be integrated into existing tubing of the differential pressure sensor (connection with static differential pressure transmitter)
- Plug for easy connection to the controller board TCU3

### **Commissioning**

- When ordering an air terminal unit with EASYLAB or TROX UNIVERSAL controller - specifying order option Z: EMAUTOZERO installed, connected and ready for operation
- For retrofitting: installation and connection required; module is then automatically recognised and zero point adjustment is supported