

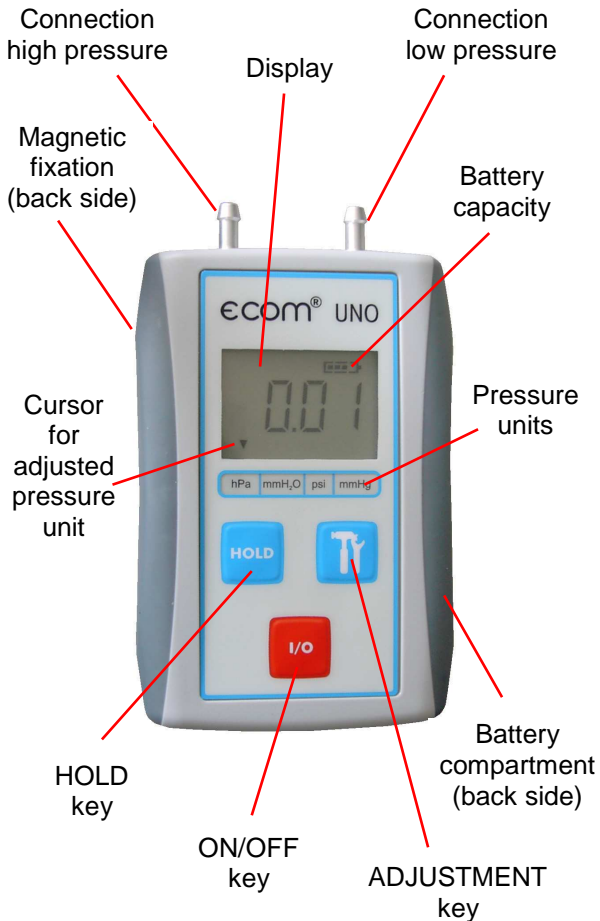
## Application

The **ecom-UNO** is suitable for the measurement of overpressure, low pressure and differential pressure of gases. It is especially suitable for works at heating, ventilation and air-conditioning systems. The measurement range covers pressures from -200 up to +200 hPa. Never use the **ecom-UNO** to measure higher pressure values!



**Pressures higher than the indicated overload will destroy the sensor!**

## Instrument Design



## Battery Change

Both 1,5 V AA (Mignon) batteries must be replaced when the capacity indication blinks (no point anymore).

Change the batteries as follows:

- Open the battery compartment cover while slipping at the marked position.
- Replace used batteries with batteries of similar size (observe polarity!).
- Close the battery compartment with the cover back.



**Dispose used batteries by specialized collecting points!**

## Magnetic Fixation

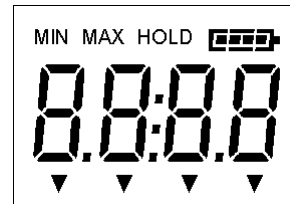
The **ecom-UNO** is equipped with a fixing magnet providing with a secure positioning on most metal surfaces.



**The magnetic field can have influence to the function of heart pacemakers!**

## Initiation

- Connect the tubes.
- Press the ON/OFF key.



Segmental test is performed

- The **ecom-UNO** starts in the lower measurement range and after 8 seconds the instrument is ready for operation.



## Auto-Off-Function

The Auto-Off-Function can be adjusted from 0 (no auto-off) to 90 min in 15 min steps (see Setup).

## Display Damping

The Display damping can be adjusted from 1 (low damping) to 9 (high damping - see Setup).

## Zero correction

The zero correction is used to correct the drifting of the zero point after starting the instrument (see Setup).

## Range Switch

By pressure beyond 20 hPa/mbar, the **ecom-UNO** automatically switches over to the higher range (resolution 0,01 hPa/mbar -> resolution 0,1 hPa/mbar).

## Range Overload

By exceeding of the measurement range from -200 until +200 hPa four dashes are displayed.

## Set Zero Point

- Press ADJUSTMENT key.

## Unit Switch

- Keep ADJUSTMENT key pressed.
- The cursor for adjusted pressure unit moves from unit to unit.
- Release ADJUSTMENT key once the desired unit is achieved.

## HOLD / MIN / MAX

- Press HOLD key.
- Measurement values are „frozen“ (value sampled by pressing the key is indicated).
  
- Press again HOLD key.
- Min-value (lowest value since instrument switch on) is indicated.
  
- Press again HOLD key.
- Max-value (highest value since instrument switch on) is displayed.
  
- Press again HOLD key.
- The ecom-UNO is back to the measurement mode.
  
- Keep HOLD key pressed.
- Min- and Max- values are erased.

## Setup

In the setup menu adjustments can be made. After switching the instrument on, the ON/OFF key must be pressed approx. 3 sec. to get into the setup menu. The following functions can be adjusted:

No.	Value	Function	Fact.set.
0	0-1	1 = Set to Factory Setting	0
1	0-90	Auto-Off-Function	15
2	1-9	Display Damping	3
3	0-1	1 = With Zero Correction	1

With the ON/OFF key a function can be selected. The adjustment can be made with the HOLD and the adjustment key. The setup menu can be left, by pressing the ON/OFF approx. 3 sec.

## Technical Data

Measurement range:	200 hPa
(2038 mmH2O    2,9psi)	150 mmHg)
Resolution:	0,01 hPa
(0,1 mmH2O    0,01 psi)	0,01 mmHg)
Overload:	300 hPa
(3060 mmH2O    4,35 psi)	225 mmHg)
Accuracy:	+/- 1 %
Ambient temp.:	0 °C ... 40 °C
Stocking temp.:	-20 °C ... 70 °C
Battery:	2 x 1,5 V AA
Power consumption:	20 mA
Dimensions:	106 x 64 x 28 mm
Weight:	150 g

To secure the accuracy of your measuring instrument we recommend the annual check by an authorized ecom partner. In the case of strong demand (e.g. permanent several hours of measurement per day, rough conditions etc.) shorter intervals between checks should be selected - please contact your ecom partner. All ecom partners are listed under [www.ecom.de](http://www.ecom.de).

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