Application

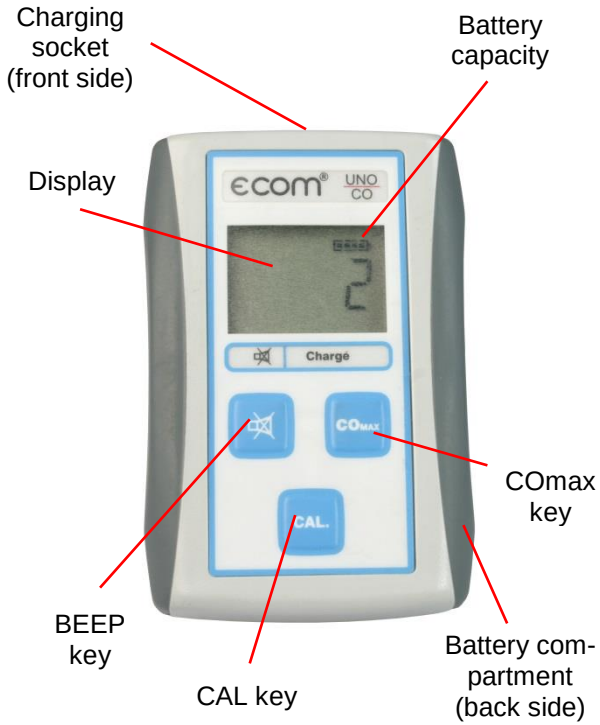
The ecom-UNO-CO is suitable for the measurement of carbon monoxide concentrations in ambient air.

Carbon monoxide is poisonous and can be fatal!

The operation range allows the measurement of concentrations from 0 to 1000 ppm. Please always observe the valid safety regulations (e.g. MAK value)!

The unit is not suitable for personal safety use!

Instrument design



Battery Indicator

When the battery indicator is blinking (no point anymore: ⊏⊐, the batteries have to be replaced or recharged (rechargeable batteries optional).
Recharge as follows:

- Connect adapter cable (Option) with car cigarette lighter.
- Connect adapter cable (Option) with charging socket of ecom-UNO-CO.
- During the charging procedure an arrow shows on the field „Charge“.
- The batteries are recharged in full when the arrow has disappeared.

Hand over defect or used batteries to designed collection places only!

Set Operation Mode

The ecom-UNO-CO can be operated in 2 different modes:

Standard

The unit automatically switches off after ca. 30 minutes.

Continue

The unit doesn´t switch off automatically.

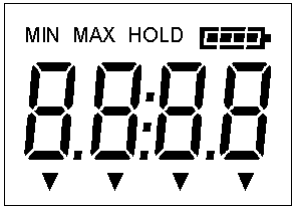
The operation mode can be checked/selected as follows:

- The unit being switched-off, press the CAL key until the display shows „S“ = Standard or „C“ = Continue.
- Press the BEEP key or the COmax key to switch the operation mode.
- Press the CAL key to perform measurement in the selected mode.

Switch-On Instrument

Switch on the instrument by fresh air ambient conditions!

- Press the CAL Key.



Segmental test is performed

- The ecom-UNO-CO starts a calibration phase of max. 1 minute (0 blinks on the display).
- After completion, the unit sets the zero point at the CO concentration in the ambient air is ready for operation.

Signal Function

The unit warns by exceeding of a 50 ppm CO concentration with a beep tone. If the CO concentration increases, the repeating frequency of the beep tone gets shorter by each signal threshold (see „Technical Data“). By values over 1000 ppm, only dashes are displayed.

Switch-Off Signal Function

Press the BEEP key to switch off the beep tone. It automatically switches on again after 15 minutes or by a CO concentration lower than 20 ppm.

COmax Function

Press the COmax key to call up the highest value detected since the instrument switch-on. Continuous pressing the CO max. key deletes the maximal value.

Reset Zero Point

● Keep pressing CAL key until the beep tone gets audible

Reset the zero point by fresh air ambient conditions only!

Switch-Off Instrument

In **Standard mode** press the CAL key to switch off.

In **Continue mode** press both the BEEP and the COmax key.

Technical Data

Measurement range:	0 – 1000 ppm
Resolution:	1 ppm
Accuracy:	+/- 2 %
Ambient temperature:	0 °C ... 40 °C
Stocking temperature:	-20 °C ... 70 °C
Battery:	2 x 1,5 V AA (Mignon)
Recharg. B. (Option):	2 x 1,2 V AA (Metal hydride)
Power consumption:	6 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.rbr.de.

Subject to technical changes
03.2014

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Operating Instructions

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