

# Instructions for the Sewerin emissions calculator

How to quantify emissions under the EU Methane Emissions Regulation

This emissions calculator allows you to easily convert methane measurements in ppm to g/h or l/h. You need these values to fulfil your reporting obligations under the EU Methane Emissions Regulation. You can then download the results as an emissions report in the form of a CSV file.

As a general rule, clicking on the blue 'Reset calculator' link will delete all data.

## Step 1: Device and Serial Number

To calculate the quantity of your emissions please proceed as follows: Select the device you are using for this measurement and enter the serial number:

### Your Inputs

[Reset Calculator](#)

Device Type \*

EX-TEC PM 580

EX-TEC HS 680

EX-TEC PM 4

ⓘ You can select a maximum of one device.

Serial Number \*

050 30 000001

ⓘ The first five digits are set by the device selection.

## Step 2: Temperature and Pressure

The temperature and air pressure data are used to calculate emissions in litres per hour and for bagging measurements. If you only need screening measurements in grams per hour, you can leave the values at their default settings.

The pre-filled values of 18 °C and 1013 hPa are typical values for the flatter regions of Europe. They should be adjusted if the actual values differ significantly, for example at altitudes above 1,000 metres.

Temperature °C \*

18

ⓘ Integer input between -10 and 40 is possible.

Pressure hPa \*

1013

ⓘ Integer input between 500 and 1100 is possible.

### Step 3: Measurement Location

The field measurement location helps to assign a specific measurement to a specific location. In addition, you will also find the geographical coordinates in the results report, provided you have enabled them on your mobile phone.

Measurement Location \*

e.g. Control Station 1

Enter the location where you are taking the measurement.

### Step 4: Save Inputs

Now save your inputs. Only then can you enter the measured values. The 'Save Input' button turns grey and the 'Edit Input' button turns blue.

**Save Inputs**

**Edit Inputs**

**Inputs Saved.**

**Edit Inputs**

### Step 5: Enter Measurements

Now enter your measurement value in ppm and the type of measurement. Did you detect gas at a valve or connecting element, or did you perform the bagging method? You can also add a comment.

**Measurements**

Measurement Value in ppm \*

Integer input from 0 to 1,000,000 is possible.

Measurement Type \*

Valve (Screening) ▼

Please select a measurement type.



Comment

Enter comment here...

## Step 6: Measurement Results

The measurement result is immediately displayed in g/h and l/h.

### **Measurement Results**

|                 |          |   |
|-----------------|----------|---|
| Emission in g/h | 1,1081   |  |
| Emission in l/h | 1,650445 |  |

## Step 7: Copy Values or Create Report

You can now either copy the individual values directly to the clipboard using the copy symbol and then paste them directly elsewhere. Alternatively, you can create an emissions report and gradually add further measurements to a list. To do this, add the measurement.



**Save Measurement**

## Step 8: Emissions Report Preview

The calculator immediately displays a preview of the emissions report. You can now edit this emissions report by clicking on the blue pencil icon. You can delete the emissions report by clicking on the orange bin icon, or you can download it by clicking on 'Download Report (CSV)'. You can then easily process the data further.

### **Emissions Report Preview**

Here you can see a preview of the measurements taken so far. You can edit or delete individual measurements. You can download the report as a CSV file.

|                          |   |
|--------------------------|---|
| Measurement No.          | 1   |
| Emission in g/h          | 1,1081  |
| Emission in l/h          | 1,650445  |
| Measurement Value in ppm | 1500  |
| Measurement Type         | Valve (Screening)   |
| Actions                  |   |

**Download Report (CSV)**

### **Please Note**

If you reset the calculator, all data for all measurements and the device and location details will be deleted.  
Our recommendation: Take several measurements, then save them regularly and download the results report.

## Measurement Numbering

The measurements are numbered within a session. If you delete a measurement, the number will also be deleted. The numbers of the previous measurements will remain unchanged. This means that there will be a gap in the numbering of the measurements. This is the only way to ensure that measurements and measured values are always clearly assigned. If you reset the calculator, the numbering of the measurements will start again at 1.

Click here for the emissions calculator: <https://emission.sewerin.com>