


Issued by	NMi Certin B.V., designated and notified by the Netherlands to perform tasks with respect to conformity modules mentioned in article 17 of Directive 2014/32/EU, after having established that the Measuring instrument meets the applicable requirements of Directive 2014/32/EU, to:
Manufacturer	Sagemcom Italia S.p.A. Località Garavelle, frazione Santa Lucia 06012 Città di Castello (PG) Italy
Measuring instrument	An electronic gas-volume conversion device (EVCD) , intended to be used for gas volume conversion as a sub-assembly (according to article 4 of the MID) of a gas meter. Type : ECOR4 or Corr.Sa1 Manufacturer's mark or name : Sagemcom Italia S.p.A. Conversion principle : T, PT or PTZ Device type : 1 (complete system) Ambient temperature range : -25 °C / +70 °C Designed for : condensing humidity Environment classes : M2 / E2 The intended location for the instrument is open. Further properties are described in the annexes: – Description T10473 revision 6; – Documentation folder T10473-5.
Valid until	7 May 2022
Remarks	This revision replaces the earlier versions, except for its documentation folder.

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1 General information about the electronic gas-volume conversion device

All properties of the EVCD, whether mentioned or not, shall not be in conflict with the legislation.

The EVCD is a so-called type 1 device, with specific types of transducers for pressure and temperature (PTZ) or for temperature only (T).

1.1 Essential parts

The electronic gas volume conversion device is composed of the following parts:

Part	Producer	Type	Evaluation Certificate	Remarks
A module for gas-volume conversion	Sagemcom Italia S.p.A. or FIMETRA S.R.L.	CCB1 CCB1	TC8601 TC8134	-

An example of the device is given in the document no. 10473/0-01.

1.2 Essential characteristics

See the essential characteristics as mentioned in Evaluation Certificates no. TC8601 or TC8134.

1.3 Essential shapes

1.3.1 Markings

The nameplate is bearing at least, good legible, the following information:

- CE marking including the supplementary metrological marking (M + last 2 digits of the year in which the instrument has been put into use);
- Notified Body identification number, following the supplementary metrological marking;
- EU-type examination certificate no. T10473;
- Evaluation certificate number: TC8601 or TC8134;
- manufacturer's name, registered trade name or registered trade mark;
- manufacturer's postal address;
- serial number of the meter and year of manufacture;
- ambient temperature range;
- MPE at reference conditions.

The following information is mentioned on the nameplate or on the display:

- the gas temperature range;
- the gas pressure range;
- the base pressure; (if applicable)
- the base temperature;
- the compression algorithm; (if applicable)
- the gas properties; (if applicable)
- the parameters for gas meter error correction curve. (if applicable)

The following information is mentioned on the display and/or on the transducer nameplate:
- upper and lower limits of the transducers.

The following information is mentioned in the manual:
- mechanical environment class;
- electromagnetic environment class.

An example of the markings is shown in document no. 10473/5-01.

This measuring instrument was previously placed on the market under the name "Sacofgas 1927 S.p.A." or "Meter Italia S.p.A.".

1.3.2 Sealing: see chapter 2.

1.4 Conditional parts

See the conditional parts as mentioned in Evaluation Certificate no. TC8601 or TC8134.

1.5 Conditional characteristics

See the conditional characteristics as mentioned in Evaluation Certificate no. TC8601 or TC8134.

1.6 Non-essential parts

See the non-essential parts as mentioned in Evaluation Certificate no. TC8601 or TC8134.

2 Seals

The following items are sealed:

- the nameplate to the housing; *)
- the Display/CPU board covering plate;
- the frontal plate covering the keys and internal of the EVCD;
- the connection (flat cable) between the Display/CPU board and the Modem & I/O board;
- the plate covering the access to the terminals of the pressure- and temperature transmitter.

*) Removal without destroying the nameplate shall not be possible; otherwise the nameplate shall be sealed to the housing.

Besides, installation seals may be applied:

- on the connection of the p- and t- transmitters to the piping or on the cover preventing the access to the pressure and temperature transmitter, when the conversion device is directly mounted on the case of a gas meter.
- the connection between the gas meter and the conversion device, if the conversion device is directly mounted on a gas meter.

Example of the sealing are presented in documents no. 10473/5-02 and 10473/3-03.
Type 2 seals are installation seals.