



# **Open Metering System Conformance Test**

## **Manufacturer Declaration**

Issue 4.0.0 / 2016-05-09

Release

## Document History

Version	Date	Comment	Editor
1.0.0	2011-10-11	Final Version	J. Feuchtmeier
1.9.0	2013-08-09	Adaptions to OMS-S V3 To be released as OMS-CT V2.0	J. Feuchtmeier
2.0.0	2013-10-16	Adaption according Enquiry results document status changed to "Release"	J. Feuchtmeier
2.0.1	2014-08-14	Statement if base pressure for compensation is 1013,25 mbar for Gas meters required  Statement if base temperature for compensation is 15°C for Gas meters required	J. Feuchtmeier
3.0.0	2014-10-06	Adopting version number of the OMS-CT to be in line with the corresponding OMS-S version	J. Feuchtmeier
4.0.0.0	2015-03-04	Start version for OMS-CT V4	J. Feuchtmeier
4.0.0.1	2015-03-04	Evaluation of data points according to the result of meeting #29	J. Feuchtmeier
4.0.0.2	2015-04-10	Adding statement for parametrization of OMS certificated devices according Action#30-1	J. Feuchtmeier
4.0.0	2015-10-16	Version for Enquiry	J. Feuchtmeier
4.0.0	2015-12-16	Version for Vote	J. Feuchtmeier
4.0.0	2016-05-09	Version for Release	J. Feuchtmeier

## Declaration

We

Hydrometer GmbH  
Industriestraße 12  
91522 Ansbach

declare under our sole responsibility that the product(s) listed in Table 1 to which this declaration relates is/are in conformity with the requirements of the following standards respectively specifications

- EN13757-4:2013 (refer to [EN13757-4])
- OMS-Specification [OMSS-Vol2] (Version refer to Table 1)

Signed by:

## Declaration of the Device under Test

The Table 1 shall be completed by the manufacturer according to [OMSCT-GEN].

<b>Name and address of manufacturer</b>	Hydrometer GmbH Industriestraße 12 91522 Ansbach
<b>OMS Version</b>	3.0
<b>OMS device Type<sup>1</sup></b>	Basic meter
<b>Product name</b>	HYDRUS Q3 2.5 m³/h
<b>Device type<sup>2</sup></b>	0x07; water
<b>Extended Device type information<sup>3</sup></b>	N/A
<b>Serial number</b>	35968527
<b>Version</b>	0x25
<b>Product Parametrization</b>	
<b>Production is always OMS conform</b>	Yes / no (if no please state how this is communicated)
<b>Parametrization after production</b>	Yes / no (if yes, state how the user is informed about possible non OMS compliant devices)
<b>Feature Set Standard OMS</b>	
<b>OMS interface</b>	T1
<b>Center frequency</b>	868.95 MHz
<b>Application protocol</b>	M-Bus
<b>Encryption mode</b>	5
<b>Encryption key</b>	01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 00
<b>Transmission rate</b>	20 seconds
<b>Installation telegram</b>	No
<b>Static telegram</b>	No
<b>Compact Load Profile</b>	No
<b>Performance class</b>	HT
<b>Temperature range</b>	0°C – 80°C
<b>Type of antenna</b>	Integrated
<b>Feature Set Device Specific<sup>4</sup></b>	

<sup>1</sup> Defines the class of DUT: basic meter, sophisticated meter, data concentrator

<sup>2</sup> For the Device Types 04h or 0Ch it has to be stated if it is “district heating” or “submetering”

<sup>3</sup> Relevant for Gas Meter only: defines the gas metering conditions: temperature converted, measurement conditions, base conditions

<sup>4</sup> Optional Parameters, content device depended

<b>Parameterization</b>	Answer Telegram 5
<b>Test mode</b>	yes, device can simulate volume flow
<b>Power supply</b>	Battery
<b>Expected lifetime</b>	12 years
<b>Base pressure of 1013,25 mbar for pressure conversation used<sup>5</sup></b>	Yes / No
<b>Base temperature of 15°C for pressure conversation used<sup>6</sup></b>	Yes / No
<b>Initiation of the radio transmission</b>	always on

**Table 1: Declaration of manufacturer, product and configuration**

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<sup>5</sup> Applicable for Gas meters (device type 03h) only

<sup>6</sup> Applicable for Gas meters (device type 03h) only

30 This List contains all Data points which conform to [OMSS-Vol2] Annex A and are used to ensure interoperability.

[illegible]

35 The Manufacture may also declare in Table 3 additional data points which not conforming [OMSS-Vol2] Annex A. This declaration is optional.

No	Description	DIF/DIFE	VIF/VIFE

Table 3: Declaration of Non-conform data points

## Test equipment and Documentation

<b>Test equipment</b>	
<b>Communication adapter</b>	IZAR OH BT (optical transceiver)
<b>Communication software</b>	HYDRO-SET (configuration software)
<b>Provided Documentation</b>	
<b>Test documentation</b>	Description of communication and test commands
<b>Test report for R&amp;TTE essential requirements</b>	No. 50445-081090-5

Table 4: Test equipment and Documentation