Open Metering System
Conformance Test

Manufacturer Declaration

Issue 4.0.5 / 2020-01-18

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
4.0.1	2017-05-29	Update to OMS-S V4.1.2	J. Feuchtmeier
4.0.2	2017-10-07	-	J. Feuchtmeier
4.0.3	2018-01-18	Frequency deviation measurement according WG3 decision #54-2	J. Feuchtmeier
4.0.4	2019-09-26	Support of PHY_B (433 MHz) Editorial changes	J. Feuchtmeier A. Reissinger
4.0.4	2019-12-22	Version for Release	A. Reissinger
4.0.5	2020-01-28	Adaption of test report documents: no RTT&E report required, measurement report for frequency deviation	J. Feuchtmeier

Declaration

We

Diehl Metering GmbH

Industriestraße 13

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].

Name and address of manufacturer	Diehl Metering GmbH Industriestraße 13 91522 Ansbach
OMS Generation	4
OMS device Type[1]	Basic meter
Product name	HYDRUS Q3 2,5 m³/h
Device type[2]	0x07; water
Extended Device type information[3]	N/A
Serial number	35968527
Version	0x25
Product Parametrization	
Production is always OMS conform	Yes / no (if no please state how this is communicated)
Parametrization after production	Yes / no (if yes, state how the user is informed about possible non OMS compliant devices)
Feature Set Standard OMS	
OMS interface	T1
Radio Band **(acc. to [OMS-S2], Annex O)**	PHY_A (868 MHz)
Application protocol	M-Bus
Security Profile	Security Profile B
Encryption key	01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 00
Transmission rate	20 seconds
Installation datagram	No
Static datagram	No
Compact Load Profile	No
Performance class	**HT**
Ambient temperature range	0°C – 80°C
Type of antenna	Integrated

[1] Defines the class of DUT: basic meter, sophisticated meter, data concentrator

[2] For the Device Types 04h or 0Ch it has to be stated if it is “district heating” or “submetering”; for the Device Type 37h also the Device Type of the measurement device has to be stated (e.g. 37h (radio converter): 07h (water), 02h (electricity))

[3] Relevant for Gas Meters only: defines the gas metering conditions: temperature converted, measurement conditions, base conditions

Feature Set Device Specific[4]	
Parameterization	Answer datagram 5
Test mode	yes, device can simulate volume flow
Power supply	Battery
Expected lifetime	12 years
Base pressure of 1013,25 mbar for pressure conversation used[5]	Yes / No
Base temperature of 15°C for pressure conversation used[6]	Yes / No
Initiation of the radio transmission	always on

Table 1: Declaration of manufacturer, product and configuration

[4] Optional Parameters, content device depended

[5] Applicable for Gas meters (device type 03h) only

[6] Applicable for Gas meters (device type 03h) only

Declaration of Frequency deviation

For devices with RTTE/RED test report dated 18.10.2013 or earlier the manufacturer shall state the conformity with the requirements of the OMS-CT.

If the DUT applies for OMS Conformity Version 4.0 or earlier and the RTTE/RED test report is dated after 18.10.2013 the manufacturer shall provide the measurement report with the conformity declaration.

If the DUT applies for OMS Conformity Version 4.1 or higher the manufacturer shall provide the measurement report with the conformity declaration.

OMS Version	Date of RTTE/RED test report	Declaration	Confirm
Upto 4.0	**18.10.2013 or earlier**	**The manufacturer declares that the frequency deviation of the DUT is conform to the applicable requirements**	**YES/NO**
Upto 4.0	**Later than 18.10.2013**	**The manufacturer declares that the frequency deviation of the DUT is conform to the applicable requirements**	**YES/NO**
		The measurement report ("NameOfReport") is attached	**YES/NO**
4.1 or higher		**The measurement report ("NameOfReport") is attached**	**YES/NO**

Table 2: Testing of Frequency deviation for different OMS Versions

Declaration of the supported data points

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

The Table 3 should be completed by the manufacturer according to [OMSCT-GEN].

No	OBIS-code	Description	DIF/DIFE	VIF/VIFE
01	**8-0:1.0.0*255**	**Volume (V), accumulated, total, current value**	**0C**	**12..13**
02	**8-0:1.2.0*255**	**Volume (V), accumulated, total, set date value**	**4C**	**12..13**
03	**8-0:0.1.10*255**	**Local date at set date**	**42**	**6C**

Table 3: Declaration of OMS-conform Data points

The Manufacture may also declare in Table 4 additional data points which are not conforming to [OMSS-Vol2] Annex A. This declaration is optional.

No	Description	DIF/DIFE	VIF/VIFE

Table 4: Declaration of Non-conform data points

Test equipment and Documentation

Test equipment	
Communication adapter	IZAR OH BT (optical transceiver)
Communication software	HYDRO-SET (configuration software)
Provided Documentation	
Test documentation	Description of communication and test commands
Test report for EN 300 220-1 essential requirements	No. 50445-081090-5
Measurement report for frequency deviation	

Table 5: Test equipment and Documentation