kamstrup

Technical guide

Supported meters and registers in OMNIA® multi-utility

Contents

1. Revision history

Revision	Description	OMNIA® version
A1	First release of this technical guide.	OMNIA® 5.9
B1	Updates: • Averaged water temperature month register deleted for MULTICAL® 21. • MinFlow1Year register deleted for flowIQ® 2200.	OMNIA® 5.9 OMNIA® 5.11
C1/A	Updates: Heat/Cooling registers added for MULTICAL® 603 Heat	OMNIA® 5.9

2. Introduction

This document provides an overview of the Wireless M-Buss meters supported by the OMNIA® system.

The supported meters are listed under the following headings:

- Heat/cooling meters
- Water meters
- Gas meters
- Mechancial water meters

The lists show the different registers/OBIS codes and whether each register is read on an hourly or daily basis.

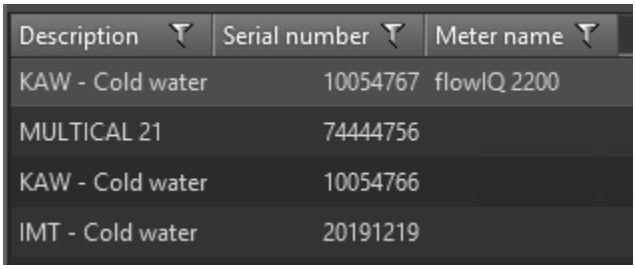
Note If you need support for a Wireless M-Buss meter that is not listed in this document, please contact Kamstrup A/S.

2.1 Meter identification

All Kamstrup meters with the vendor ID "KAM" will automatically be shown with the meter name in the **Description** field in OMNISOFT® VisionAir.

For meters with a different vendor ID than "KAM", the **Description** field will consist of vendor ID and consumption type, e.g. KAW – Cold water and LUG – Heat.

OMNISOFT® VisionAir provides a free text field (**Meter name**) which can be used to identify a given meter, e.g. flowIQ® 2200.



Description	Serial number	Meter name
KAW - Cold water	10054767	flowIQ 2200
MULTICAL 21	74444756	
KAW - Cold water	10054766	
IMT - Cold water	20191219	

Figure 1. Meter identification in OMNISOFT® VisionAir

3. Heat/cooling meters

The OMNIA® system supports the following heat/cooling meters.

3.1 Kamstrup meters

3.1.1 MULTICAL® 302 Heat

Heat registers	OBIS codes	ID	Hourly	Daily
Energy 1, Heat energy (V1 in flow or return flow)	6.1.1.0.0.255	60	x	
Volume 1	6.1.4.0.0.255	68	x	
Power 1	6.1.8.0.0.255	80	x	
Info Codes	6.1.97.97.0.128	99		x
DayReadoutLogged	6.1.0.1.10.255	66070		x
EnergyHeatLogged	6.1.1.1.0.255	66071		x

3.1.2 MULTICAL® 302 Heat/Cooling

Heat/Cooling registers	OBIS codes	ID	Hourly	Daily
Energy 1, Heat energy (V1 in flow or return flow)	6.1.1.0.0.255	60	x	
Energy 3, Cooling energy (V1 in flow or return flow)	5.1.1.0.0.255	63	x	
Volume 1	6.1.4.0.0.255	68	x	
Power 1	6.1.8.0.0.255	80	x	
Info Codes	6.1.97.97.0.128	99		x
DayReadoutLogged	6.1.0.1.10.255	66070		x
EnergyHeatLogged	6.1.1.1.0.255	66071		x

3.1.3 MULTICAL® 402 Heat

Heat registers	OBIS codes	ID	Hourly	Daily
Energy 1, Heat energy (V1 in flow or return flow)	6.1.1.0.0.255	60	x	
Volume 1	6.1.4.0.0.255	68	x	
Flow 1	6.1.9.0.0.255	74		x
Input A (m3)	6.1.130.0.0.255	84		x
Input A (Wh)	6.1.153.0.0.255	84		x

Heat registers	OBIS codes	ID	Hourly	Daily
Input B (m3)	6.1.131.0.0.255	85		x
Input B (Wh)	6.1.154.0.0.255	85		x
Temperature 1	6.1.10.0.0.255	86	x	
Temperature 2	6.1.11.0.0.255	87	x	
Energy 8 (m3tf) Average temperature in flow	6.1.141.0.0.255	97	x	
Info Codes	6.1.97.97.0.128	99		x
Energy 9 (m3tr) Average temperature in return	6.1.143.0.0.255	110	x	
Date	6.1.96.56.0.255	1003		x
HourCounter	0.1.96.8.0.255	1004		x
DayReadoutLogged	6.1.0.1.10.255	66070		x
EnergyHeatLogged	6.1.1.1.0.255	66071		x
Volume1Logged	6.1.4.1.0.255	66073		x
InputALogged (m3)	6.1.130.1.0.255	66074		x
InputBLogged (m3)	6.1.131.1.0.255	66075		x
InputALogged (Wh)	6.1.153.1.0.255	66074		x
InputBLogged (Wh)	6.1.154.1.0.255	66075		x

3.1.4 MULTICAL® 402 Heat/Cooling

Heat/Cooling registers	OBIS codes	ID	Hourly	Daily
Energy 1, Heat energy (V1 in flow or return flow)	6.1.1.0.0.255	60	x	
Energy 3, Cooling energy (V1 in flow or return flow)	5.1.1.0.0.255	63	x	
Volume 1	6.1.4.0.0.255	68	x	
Flow 1	6.1.9.0.0.255	74		x
Input A (m3)	6.1.130.0.0.255	84		x
Input A (Wh)	6.1.153.0.0.255	84		x
Input A (none)	6.1.158.0.0.255	84		x
Input B (m3)	6.1.131.0.0.255	85		x
Input B (Wh)	6.1.154.0.0.255	85		x
Input B (none)	6.1.159.0.0.255	85		x
Temperature 1	6.1.10.0.0.255	86	x	
Temperature 2	6.1.11.0.0.255	87	x	

Heat/Cooling registers	OBIS codes	ID	Hourly	Daily
Energy 8 (m3tf) Average temperature in flow	6.1.141.0.0.255	97	x	
Info Codes	6.1.97.97.0.128	99		x
Energy 9 (m3tr) Average temperature in return	6.1.143.0.0.255	110	x	
Date	6.1.96.56.0.255	1003		x
HourCounter	0.1.96.8.0.255	1004		x
DayReadoutLogged	6.1.0.1.10.255	66070		x
EnergyHeatLogged	6.1.1.1.0.255	66071		x
EnergyCoolingLogged	5.1.1.1.0.255	66072		x
Volume1Logged	6.1.4.1.0.255	66073		x
InputALogged (m3)	6.1.130.1.0.255	66074		x
InputBLogged (m3)	6.1.131.1.0.255	66075		x
InputALogged (Wh)	6.1.153.1.0.255	66074		x
InputBLogged (Wh)	6.1.154.1.0.255	66075		x

3.1.5 MULTICAL® 403 Heat

Heat registers	OBIS codes	ID	Hourly	Daily
Energy 1, Heat energy (V1 in flow or return flow)	6.1.1.0.0.255	60	x	
Volume 1	6.1.4.0.0.255	68	x	
Flow 1	6.1.9.0.0.255	74		x
Temperature 1	6.1.10.0.0.255	86	x	
Temperature 2	6.1.11.0.0.255	87	x	
Energy 8 (m3tf) Average temperature in flow	6.1.141.0.0.255	97		x
InfoCode XX3	6.1.161.0.0.255	369		x
Energy 9 (m3tr) Average temperature in return	6.1.143.0.0.255	110		x
Date	6.1.96.56.0.255	1003		x
HourCounter	0.1.96.8.0.255	1004		x
DayReadoutLogged	6.1.0.1.10.255	66070		x
EnergyHeatLogged	6.1.1.1.0.255	66071		x
Volume1Logged	6.1.4.1.0.255	66073		x

3.1.6 MULTICAL® 403 Heat/Cooling

Heat/Cooling registers	OBIS codes	ID	Hourly	Daily
Energy 1, Heat energy (V1 in flow or return flow)	6.1.1.0.0.255	60	x	
Energy 3, Cooling energy (V1 in flow or return flow)	5.1.1.0.0.255	63	x	
Volume 1	6.1.4.0.0.255	68	x	
Flow 1	6.1.9.0.0.255	74		x
Temperature 1	6.1.10.0.0.255	86	x	
Temperature 2	6.1.11.0.0.255	87	x	
Energy 8 (m3tf) Average temperature in flow	6.1.141.0.0.255	97		x
InfoCode XX3	6.1.161.0.0.255	369		x
Energy 9 (m3tr) Average temperature in return	6.1.143.0.0.255	110		x
Date	6.1.96.56.0.255	1003		x
HourCounter	0.1.96.8.0.255	1004		x
DayReadoutLogged	6.1.0.1.10.255	66070		x
EnergyHeatLogged	6.1.1.1.0.255	66071		x
Volume1Logged	6.1.4.1.0.255	66073		x

3.1.7 MULTICAL® 601/602 Heat

Heat registers	OBIS codes	ID	Hourly	Daily
Energy 1, Heat energy (V1 in flow or return flow)	6.1.1.0.0.255	60	x	
Tariff 2	6.1.133.0.0.255	64		x
Tariff 3	6.1.134.0.0.255	65		x
Volume 1	6.1.4.0.0.255	68	x	
Flow 1	6.1.9.0.0.255	74		x
Input A (m3)	6.1.130.0.0.255	84		x
Input A (Wh)	6.1.153.0.0.255	84		x
Input B (m3)	6.1.131.0.0.255	85		x
Input B (Wh)	6.1.154.0.0.255	85		x
Temperature 1	6.1.10.0.0.255	86		x
Temperature 2	6.1.11.0.0.255	87		x
Energy 8 (m3tf) Average temperature in flow	6.1.141.0.0.255	97	x	
Info Codes	6.1.97.97.0.128	99		x

Heat registers	OBIS codes	ID	Hourly	Daily
Energy 9 (m3tr) Average temperature in return	6.1.143.0.0.255	110	x	
MaxPower1Logged	6.1.8.3.0.225	121		x
Date	6.1.96.56.0.255	1003		x
HourCounter	0.1.96.8.0.255	1004		x
DayReadoutLogged	6.1.0.1.10.255	66070		x
EnergyHeatLogged	6.1.1.1.0.255	66071		x
Volume1Logged	6.1.4.1.0.255	66073		x
InputALogged (m3)	6.1.130.1.0.255	66074		x
InputBLogged (m3)	6.1.131.1.0.255	66075		x
InputALogged (Wh)	6.1.153.1.0.255	66074		x
InputBLogged (Wh)	6.1.154.1.0.255	66075		x

3.1.8 MULTICAL® 601 Heat/Cooling

Heat/Cooling registers	OBIS codes	ID	Hourly	Daily
Energy 1, Heat energy (V1 in flow or return flow)	6.1.1.0.0.255	60	x	
Energy 3, Cooling energy (V1 in flow or return flow)	5.1.1.0.0.255	63	x	
Tariff 2	6.1.133.0.0.255	64		x
Tariff 3	6.1.134.0.0.255	65		x
Volume 1	6.1.4.0.0.255	68	x	
Flow 1	6.1.9.0.0.255	74		x
Input A (m3)	6.1.130.0.0.255	84		x
Input A (Wh)	6.1.153.0.0.255	84		x
Input A (none)	6.1.158.0.0.255	84		x
Input B (m3)	6.1.131.0.0.255	85		x
Input B (Wh)	6.1.154.0.0.255	85		x
Temperature 2	6.1.11.0.0.255	87		x
Energy 8 (m3tf) Average temperature in flow	6.1.141.0.0.255	97	x	
Info Codes	6.1.97.97.0.128	99		x
Energy 9 (m3tr) Average temperature in return	6.1.143.0.0.255	110	x	
MaxPower1Logged	6.1.8.3.0.225	121		x
Date	6.1.96.56.0.255	1003		x

Heat/Cooling registers	OBIS codes	ID	Hourly	Daily
HourCounter	0.1.96.8.0.255	1004		x
DayReadoutLogged	6.1.0.1.10.255	66070		x
EnergyHeatLogged	6.1.1.1.0.255	66071		x
EnergyCoolingLogged	5.1.1.1.0.255	66072		x
Volume1Logged	.1.4.1.0.225	66073		x
InputALogged (m3)	6.1.130.1.0.255	66074		x
InputBLogged (m3)	6.1.131.1.0.255	66075		x
InputALogged (Wh)	6.1.153.1.0.255	66074		x
InputBLogged (Wh)	6.1.154.1.0.255	66075		x

3.1.9 MULTICAL® 602 Heat/Cooling

Heat/Cooling registers	OBIS codes	ID	Hourly	Daily
Energy 1, Heat energy (V1 in flow or return flow)	6.1.1.0.0.255	60	x	
Energy 3, Cooling energy (V1 in flow or return flow)	5.1.1.0.0.255	63	x	
Tariff 2	6.1.133.0.0.255	64		x
Tariff 3	6.1.134.0.0.255	65		x
Volume 1	6.1.4.0.0.255	68	x	
Flow 1	6.1.9.0.0.255	74		x
Input A (m3)	6.1.130.0.0.255	84		x
Input A (Wh)	6.1.153.0.0.255	84		x
Input A (none)	6.1.158.0.0.255	84		x
Input B (m3)	6.1.131.0.0.255	85		x
Input B (Wh)	6.1.154.0.0.255	85		x
Temperature 1	6.1.10.0.0.255	86		x
Temperature 2	6.1.11.0.0.255	87		x
Energy 8 (m3tf) Average temperature in flow	6.1.141.0.0.255	97	x	
Info Codes	6.1.97.97.0.128	99		x
Energy 9 (m3tr) Average temperature in return	6.1.143.0.0.255	110	x	
MaxPower1Logged	6.1.8.3.0.225	121		x
Date	6.1.96.56.0.255	1003		x
HourCounter	0.1.96.8.0.255	1004		x

Heat/Cooling registers	OBIS codes	ID	Hourly	Daily
DayReadoutLogged	6.1.0.1.10.255	66070		x
EnergyHeatLogged	6.1.1.1.0.255	66071		x
Volume1Logged	6.1.4.1.0.255	66073		x
InputALogged (m3)	6.1.130.1.0.255	66074		x
InputBLogged (m3)	6.1.131.1.0.255	66075		x
InputALogged (m3)	6.1.130.1.0.255	66074		x
InputBLogged (m3)	6.1.131.1.0.255	66075		x
InputALogged (Wh)	6.1.153.1.0.255	66074		x
InputBLogged (Wh)	6.1.154.1.0.255	66075		x

3.1.10 MULTICAL® 603 Heat

Heat registers	OBIS codes	ID	Hourly	Daily
Energy 1, Heat energy (V1 in flow or return flow)	6.1.1.0.0.255	60	x	
Energy 4, Flow energy	6.1.156.0.0.255	61	x	
Energy 10 (m3tf) Average temperature in flow V2	6.1.166.0.0.255	473		x
Volume 1	6.1.4.0.0.255	68	x	
Volume 2	6.1.6.0.0.255	69		x
Mass 1	6.1.5.0.0.255	72		x
Mass 2	6.1.7.0.0.255	73		x
Flow 1	6.1.9.0.0.255	74		x
Power 1	6.1.8.0.0.255	80		x
Input A (m3)	6.1.130.0.0.255	84		x
Input A (Wh)	6.1.153.0.0.255	84		x
Input B (m3)	6.1.131.0.0.255	85		x
Input B (Wh)	6.1.154.0.0.255	85		x
Temperature 1	6.1.10.0.0.255	86		x
Temperature 2	6.1.11.0.0.255	87		x
Temperature 3	6.1.128.0.0.255	88		x
Temperature Difference 1	6.1.12.0.0.255	89		x
Energy 8 (m3tf) Average temperature in flow	6.1.141.0.0.255	97		x
Info Code XX3	6.1.161.0.0.255	369		x

Heat registers	OBIS codes	ID	Hourly	Daily
Energy 9 (m3tr) Average temperature in return	6.1.143.0.0.255	110	x	
Tariff2Logged	6.1.1.3.2.225	118		x
Tariff3Logged	6.1.1.3.3.225	119		x
Maximum flow logged	6.1.9.3.0.225	66076		x
MaxPower1Logged	6.1.8.3.0.225	121		x
MaxPower1Year	6.1.8.5.2.225	128		x
MaxFlow1Month	6.1.9.5.1.225	139		x
MaxPower1Month	6.1.8.5.1.225	143		x
Clock	6.1.96.55.0.225	1002		x
Date	6.1.96.56.0.255	1003		x
Hour Counter	0.1.96.8.0.255	1004		x
DayReadoutLogged	6.1.0.1.10.255	66070		x
EnergyHeatLogged	6.1.1.1.0.255	66071		x
Volume1Logged	6.1.4.1.0.255	66073		x
InputALogged (m3)	6.1.130.1.0.255	66074		x
InputBLogged (m3)	6.1.131.1.0.255	66075		x
InputALogged (Wh)	6.1.153.1.0.255	66074		x
InputBLogged (Wh)	6.1.154.1.0.255	66075		x

3.1.11 MULTICAL® 603 Heat/Cooling

Heat/Cooling registers	OBIS codes	ID	Hourly	Daily
Energy 1, Heat energy (V1 in flow or return flow)	6.1.1.0.0.255	60	x	
Energy 4, Flow energy	6.1.156.0.0.255	61	x	
Volume 1	6.1.4.0.0.255	68	x	
Volume 2	6.1.6.0.0.255	69		x
Mass 1	6.1.5.0.0.255	72		x
Mass 2	6.1.7.0.0.255	73		x
Flow 1	6.1.9.0.0.255	74		x
Power 1	6.1.8.0.0.255	80		x
Temperature 1	6.1.10.0.0.255	86		x
Temperature 2	6.1.11.0.0.255	87		x

Heat/Cooling registers	OBIS codes	ID	Hourly	Daily
Temperature 3	6.1.128.0.0.255	88		x
Temperature Difference 1	6.1.12.0.0.255	89		x
Energy 8 (m3tf) Average temperature in flow	6.1.141.0.0.255	97		x
Info Code XX3	6.1.161.0.0.255	369		x
Energy 9 (m3tr) Average temperature in return	6.1.143.0.0.255	110	x	
MaxFlow1Month	6.1.9.5.1.225	139		x
MaxPower1Month	6.1.8.5.1.225	143		x
Hour Counter	0.1.96.8.0.255	1004		x
InputBLogged (Wh)	6.1.154.1.0.255	66075		x

3.1.12 MULTICAL® 801/SVM S6 Heat

Heat registers	OBIS codes	ID	Hourly	Daily
Energy 1, Heat energy (V1 in flow or return flow)	6.1.1.0.0.255	60	x	
Tariff 2	6.1.133.0.0.255	64		x
Tariff 3	6.1.134.0.0.255	65		x
Volume 1	6.1.4.0.0.255	68	x	
Flow 1	6.1.9.0.0.255	74		x
Input A (m3)	6.1.130.0.0.255	84		x
Input A (Wh)	6.1.153.0.0.255	84		x
Input B (m3)	6.1.131.0.0.255	85		x
Input B (Wh)	6.1.154.0.0.255	85		x
Temperature 1	6.1.10.0.0.255	86		x
Temperature 2	6.1.11.0.0.255	87		x
Energy 8 (m3tf) Average temperature in flow	6.1.141.0.0.255	97	x	
Info Codes	6.1.97.97.0.128	99		x
Energy 9 (m3tr) Average temperature in return	6.1.143.0.0.255	110	x	
MaxPower1Logged	6.1.8.3.0.225	121		x
Date	6.1.96.56.0.255	1003		x
HourCounter	0.1.96.8.0.255	1004		x
DayReadoutLogged	6.1.0.1.10.255	66070		x
EnergyHeatLogged	6.1.1.1.0.255	66071		x

Heat registers	OBIS codes	ID	Hourly	Daily
Volume1Logged	6.1.4.1.0.255	66073		x
InputALogged (m3)	6.1.130.1.0.255	66074		x
InputBLogged (m3)	6.1.131.1.0.255	66075		x
InputALogged (Wh)	6.1.153.1.0.255	66074		x
InputBLogged (Wh)	6.1.154.1.0.255	66075		x

3.1.13 MULTICAL® 801 Heat/Cooling

Heat/Cooling registers	OBIS codes	ID	Hourly	Daily
Energy 1, Heat energy (V1 in flow or return flow)	6.1.1.0.0.255	60	x	
Energy 3, Cooling energy (V1 in flow or return flow)	5.1.1.0.0.255	63	x	
Tariff 2	6.1.133.0.0.255	64		x
Tariff 3	6.1.134.0.0.255	65		x
Volume 1	6.1.4.0.0.255	68	x	
Flow 1	6.1.9.0.0.255	74		x
Input A (m3)	6.1.130.0.0.255	84		x
Input A (Wh)	6.1.153.0.0.255	84		x
Input A (none)	6.1.158.0.0.255	84		x
Input B (m3)	6.1.131.0.0.255	85		x
Input B (Wh)	6.1.154.0.0.255	85		x
Input B (none)	6.1.159.0.0.255	85		x
Temperature 1	6.1.10.0.0.255	86		x
Temperature 2	6.1.11.0.0.255	87		x
Energy 8 (m3tf) Average temperature in flow	6.1.141.0.0.255	97	x	
Info Codes	6.1.97.97.0.128	99		x
Energy 9 (m3tr) Average temperature in return	6.1.143.0.0.255	110	x	
MaxPower1Logged	6.1.8.3.0.225	121		x
Date	6.1.96.56.0.255	1003		x
HourCounter	0.1.96.8.0.255	1004		x
DayReadoutLogged	6.1.0.1.10.255	66070		x
EnergyCoolingLogged	5.1.1.1.0.255	66072		x
Volume1Logged	6.1.4.1.0.255	66073		x

Heat/Cooling registers	OBIS codes	ID	Hourly	Daily
InputALogged (m3)	6.1.130.1.0.255	66074		x
InputBLogged (m3)	6.1.131.1.0.255	66075		x
InputALogged (Wh)	6.1.153.1.0.255	66074		x
InputBLogged (Wh)	6.1.154.1.0.255	66075		x

3.1.14 MULTICAL® 803 Heat

Heat/Cooling registers	OBIS codes	ID	Hourly	Daily
Energy 1, Heat energy (V1 in flow or return flow)	6.1.1.0.0.255	60	x	
Volume 1	6.1.4.0.0.255	68	x	
Volume 2	6.1.6.0.0.255	69		x
Mass 1	6.1.5.0.0.255	72		x
Mass 2	6.1.7.0.0.255	73		x
Flow 1	6.1.9.0.0.255	74		x
Temperature 1	6.1.10.0.0.255	86		x
Temperature 2	6.1.11.0.0.255	87		x
Temperature 3	6.1.128.0.0.255	88		x
Energy 8 (m3tf) Average temperature in flow	6.1.141.0.0.255	97		x
Energy 9 (m3tr) Average temperature in return	6.1.143.0.0.255	110	x	
Hour Counter	0.1.96.8.0.255	1004		x

3.2 Meters from third party vendors

3.2.1 Diehl

Device type: Sharky
Vendor ID: DME
Meter type: Unencrypted wM-Bus mode C1 and T1

Heat registers	OBIS codes	ID	Hourly	Daily
Energy 1, Heat energy (V1 in flow or return flow)	6.1.1.0.0.255	60	X	
Volume 1	6.1.4.0.0.255	68	X	
Flow 1	6.1.9.0.0.255	74		X
Power 1	6.1.8.0.0.255	80	X	

Heat registers	OBIS codes	ID	Hourly	Daily
Temperature 1	6.1.10.0.0.255	86	X	
Temperature 2	6.1.11.0.0.255	87	X	
Temperature Difference 1	6.1.12.0.0.255	89		X

3.2.2 L&G

Device type: T550/UH50
Vendor ID: LGZ
Meter type: Unencrypted wM-Bus mode C1 and T1

Heat registers	OBIS codes	ID	Hourly	Daily
Energy 1, Heat energy (V1 in flow or return flow)	6.1.1.0.0.255	60	X	
Volume 1	6.1.4.0.0.255	68	X	
Flow 1	6.1.9.0.0.255	74		X
Power 1	6.1.8.0.0.255	80	X	
Temperature 1	6.1.10.0.0.255	86	X	
Temperature 2	6.1.11.0.0.255	87	X	
Temperature Difference 1	6.1.12.0.0.255	89		X

4. Water meters

The OMNIA® system supports the following water meters.

4.1 Kamstrup meters

4.1.1 MULTICAL® 21

Water registers	OBIS codes	ID	Hourly	Daily
Volume 1	8.1.1.0.0.255	68	x	
Info Codes	8.1.97.97.0.128	99		x
InfoCode XX3	8.1.161.0.0.255	369		x
MaxFlow1Logged	8.1.9.3.0.225	66076		x
MaxFlow1Month	8.1.2.5.1.225	139		x
Averaged water temperature day	8.1.3.1.0.130	298		x
Minimum ambient temperature month	8.1.128.4.0.131	300		x
Maximum ambient temperature month	8.1.128.5.0.131	301		x
Averaged ambient temperature day	8.1.128.1.0.130	305		x
HourCounter	0.1.96.8.0.255	1004		x
Volume1Logged	8.1.1.1.0.255	66073		x

4.1.2 flowIQ® 2200

Water registers	OBIS codes	ID	Hourly	Daily
Volume 1	8.1.1.0.0.255	68	x	
Volume 1 reverse	8.1.162.0.0.255	243		x
Flow 1	8.1.2.0.0.255	74		x
Info Codes	8.1.97.97.0.128	99		x
InfoColdEnvironment	0.1.97.97.2.128	576		x
BatteryDaysLeft	0.1.96.6.6.255	582		x
MaxFlow1Logged	8.1.9.3.0.225	66076		x
DayReadOutYear	8.1.0.1.11.255	189		x
AcousticNoise (Composite 0 7 14 21)	8.1.172.0.128.255	574		x

Water registers	OBIS codes	ID	Hourly	Daily
HourCounter	0.1.96.8.0.255	1004		x
Volume1Logged	8.1.1.1.0.255	66073		x
Temp media minimum logged	8.1.3.4.0.255	66078		x
Temp ambient minimum logged	8.1.128.4.0.255	66079		x
Temp ambient maximum logged	8.1.128.5.0.255	66081		x
Temp ambient average logged	8.1.128.1.0.255	66084		x
MaxMediaTempLogged	8.1.3.5.0.255	66186		x

4.1.3 flowIQ® 2250/3250

Water registers	OBIS codes	ID	Hourly	Daily
Volume 1	8.1.1.0.0.255	68	x	
Info Codes	8.1.97.97.0.128	99		x
InfoCode XX3	8.1.161.0.0.255	369		x
Infocode flowIQ X250	8.1.163.0.0.255	458		x
MaxFlow1Logged	8.1.9.3.0.225	66076		x
MaxFlow1Month	8.1.2.5.1.255	139		x
Averaged water temperature month	8.1.3.1.0.131	295		x
Averaged water temperature day	8.1.3.1.0.130	298		x
Minimum ambient temperature month	8.1.128.4.0.131	300		x
Maximum ambient temperature month	8.1.128.5.0.131	301		x
Averaged ambient temperature day	8.1.128.1.0.130	305		x
HourCounter	0.1.96.8.0.255	1004		x
Volume1Logged	8.1.1.1.0.255	66073		x

4.1.4 flowIQ® 3100

Water registers	OBIS codes	ID	Hourly	Daily
Volume 1	8.1.1.0.0.255	68	x	
Info Codes	8.1.97.97.0.128	99		x
InfoCode XX3	8.1.161.0.0.255	369		x
Infocode flowIQ X250	8.1.163.0.0.255	458		x
MaxFlow1Logged	8.1.9.3.0.225	66076		x

Water registers	OBIS codes	ID	Hourly	Daily
MaxFlow1Month	8.1.2.5.1.255	139		x
Averaged water temperature month	8.1.3.1.0.131	295		x
Averaged water temperature day	8.1.3.1.0.130	298		x
Minimum ambient temperature month	8.1.128.4.0.131	300		x
Maximum ambient temperature month	8.1.128.5.0.131	301		x
Averaged ambient temperature day	8.1.128.1.0.130	305		x
HourCounter	0.1.96.8.0.255	1004		x
Volume1Logged	8.1.1.1.0.255	66073		x

4.1.5 MULTICAL® 61

Water registers	OBIS codes	ID	Hourly	Daily
Volume 1	8.1.1.0.0.255	68	x	
Flow 1	8.1.2.0.0.255	74		x
Input A (m3)	8.1.130.0.0.255	84		x
Input A (Wh)	8.1.153.0.0.255	84		x
Input A (none)	8.1.158.0.0.255	84		x
Input B (m3)	8.1.131.0.0.255	85		x
Input B (Wh)	8.1.154.0.0.255	85		x
Input B (none)	8.1.159.0.0.255	85		x
Info Codes	8.1.97.97.0.128	99		x
InfoCode XX3	8.1.161.0.0.255	369		x
DayReadoutLogged	8.1.0.1.10.255	66070		x
Volume1Logged	8.1.1.1.0.255	66073		x
InputALogged (m3)	8.1.130.1.0.255	66074		x
InputBLogged (m3)	8.1.131.1.0.255	66075		x
InputALogged (Wh)	8.1.153.1.0.255	66074		x
InputBLogged (Wh)	8.1.154.1.0.255	66075		x

4.1.6 MULTICAL® 62

Water registers	OBIS codes	ID	Hourly	Daily
Volume 1	8.1.1.0.0.255	68	x	

Water registers	OBIS codes	ID	Hourly	Daily
Flow 1	8.1.2.0.0.255	74		x
Input A (m3)	8.1.130.0.0.255	84		x
Input A (Wh)	8.1.153.0.0.255	84		x
Input A (none)	8.1.158.0.0.255	84		x
Input B (m3)	8.1.131.0.0.255	85		x
Input B (Wh)	8.1.154.0.0.255	85		x
Input B (none)	8.1.159.0.0.255	85		x
Temperature 1	8.1.3.0.0.255	86		x
Info Codes	8.1.97.97.0.128	99		x
InfoCode XX3	8.1.161.0.0.255	369		x
DayReadoutLogged	8.1.0.1.10.255	66070		x
Volume1Logged	8.1.1.1.0.255	66073		x
InputALogged (m3)	8.1.130.1.0.255	66074		x
InputBLogged (m3)	8.1.131.1.0.255	66075		x
InputALogged (Wh)	8.1.153.1.0.255	66074		x
InputBLogged (Wh)	8.1.154.1.0.255	66075		x

4.2 Meters from third party vendors

4.2.1 Diehl

Device type: Hydrys
Vendor ID: DME
Meter type: T1

Water registers	OBIS codes	ID	Hourly	Daily
Volume 1	8.1.1.0.0.255	68	x	
Temperature 1v	8.1.3.0.0.255	86		x
Info Codes	8.1.97.97.0.128	99		x
Volume1Logged	8.1.1.1.0.255	66073		x

4.2.2 Axioma metering

Device type: Qualcomm Sonic
Vendor ID: AXI
Meter type: T1

Water registers	OBIS codes	ID	Hourly	Daily
Volume 1	8.1.1.0.0.255	68	x	
Info Codes	8.1.97.97.0.128	99		x

4.2.3 Sensus

Device type: Iperl
Vendor ID: SEN
Meter type: T1

Water registers	OBIS codes	ID	Hourly	Daily
Volume 1	8.1.1.0.0.255	68	x	
Flow 1	8.1.2.0.0.255	74		x

4.2.4 GWF

Device type: MTKcoder
Vendor ID: GWF
Meter type: T1

Water registers	OBIS codes	ID	Hourly	Daily
Actuality Duration	8.0.0.9.3.255			x
Volume 1	8.1.1.0.0.255	68	x	
Info Codes	8.1.97.97.0.128	99		x
Battery Days Left	0.1.96.6.6.255	582		x

5. Gas meters

The OMNIA® system supports the following gas meters.

5.1 Meters from third party vendors

5.1.1 Flonidan

Device type: UniFlo gas meter
Vendor ID: FLO
Meter type: OMS-T1 compliant

Gas registers	OBIS codes	ID	Hourly	Daily
Volume Actual	7.0.3.0.0.255		X	
Volume 1 Corrected	7.0.3.1.0.255		X	
Info codes	7.1.97.97.0.128	99		X
RTC	0.1.1.0.0.255	1047		x

5.1.2 GWF

Device type: FBGZcoder MP
Vendor ID: GWF

Gas registers	OBIS codes	ID	Hourly	Daily
Battery days left	0.1.96.6.6.55			x
Actuality duration	7.0.0.1.2.255			x
Volume 1	7.1.3.0.0.255	68	x	
Info codes	7.1.97.97.0.128	99		x

6. Mechanical water meters

The OMNIA® system supports the following mechanical water meters.

6.1 Third party vendors

6.1.1 Aquametro aquastream®

Device type: aquastream® AQS-W8
Vendor ID: IMT

Note The secondary M-Bus address of the module must be used as serial number in OMNIA®. This applies for both import of encryption file into OMNISOFT® Key Management Service and when doing the MUC parring in OMNISOFT® Network Manager.

Registers	OBIS codes	ID	Hourly	Daily
Volume 1	8.1.1.0.0.255		x	
RTC 1	0.1.1.0.0.255			x
Volume1Logged	8.1.1.1.0.255			x
DayReadOutLogged	8.1.0.1.10.255			x