DLMS User Association

device
language   ™
message
specification

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CH-6210 Sursee
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Certification No. 2510

This is to certify that the metering equipment identified as:

Type: MT301KP   UnverifiedFirmwareId = "\V01.07.A.01"   UnverifiedFirmwareVersion = "\V01.07"
Mgmt. SAP = 1 is "484D544D543330314B50" (HMTMT301KP)
Manufactured by: Hangzhou Meteronic Technology Co., Ltd.

has successfully passed the DLMS/COSEM Conformance test, under the following conditions:

- CTT version: CTT 3.1 standard edition, 64bits, release 107
- Licensed to: Hangzhou_Meteronic_Technology (2020/8/26)
- COSEM object definitions file version: Object_defs_v3.3_released_180601.dat
- Media identifier(s): Abstract, Electricity

Tests	Comm. profile & opening mode	Application contexts	Security features	Date and time	Test Result hash value
Test 1	HDLC, DIRECT_HDLC	LONG_NAMES, LONG_NAMES_ WITH_CIPHERING	SERVICE_SPECIFIC_DED _CIPHERING SERVICE_SPECIFIC_GLO _CIPHERING, SUITE_0 SECURITY_ACTIVATE, KEY_TRANSFER	14-DEC-2020 19:15:51	EE32E5F069408A8AEB007AF7F8AE76E6E 337C6D8C714CFCB38177B3394471555
Test 2	HDLC, MODE_E			14-DEC-2020 14:30:41	7D3797B216E52304E3F3C5B368CC228208 CAE7C8D76C2D5A6B57944E05DF9810
Test 2	TCP			14-DEC-2020 19:37:20	487D219583CF287FB985DD78EBAECDB8 6B44D677E78DF9F5349A8F289B647E73

This MT301KP meter device type has already been certified as Certification No. 2123 at 4th June 2019 manufactured by:EFR Europaeische Funk-Rundsteuerung GmbH.

The authenticity of the test report(s) has been verified by the DLMS User Association and the metering equipment identified above is listed on its web site at: www.dlms.com. With this, the manufacturer is entitled to display the DLMS/COSEM Compliant mark – shown below – on its product duly identified and on its product literature.
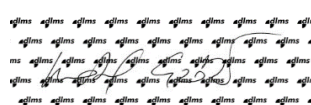
dlms
COSEM
Compliant

The test reports are filed by the DLMS UA. Copies are available from the manufacturer.

This Certificate is only valid for the functions successfully tested; see the Summary. The test has been executed on one specimen of the product, as identified by the Management Logical Device Name reported. Results may not be applicable for other test specimens.

Date: Sursee, the 7th January, 2021

Sergio Lazzarotto
Executive Director and President

Győző Kmethy
President Emeritus

Viktória Varjú
Certification Engineer

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Commercial registration number CHE-440.972.101

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Summary of features tested for Test 1

```
This section provides an overview of the features tested, aggregated over all logical
devices and Application Associations in one test session. Full information is available in
the Test Result.


*******************
* Identification *
*******************

Identification = {
  Manufacturer = "\Hangzhou Meteronic Technology Co., Ltd."
  FLAGid = "\HMT"
  Type = "\MT301KP"
  UnverifiedFirmwareId = "\V01.07.A.01"
  UnverifiedFirmwareVersion = "\V01.07"
  ConfigurationId = "\00019338001"
  SerialNr = "\00019338001"
}


***********
* Summary *
***********


TYPE    TOTAL   SKIPPED   INAPPLICABLE   INCONCLUSIVE   PASSED   FAILED
----    -----   -------   ------------   ------------   ------   ------
HDLC    36      0         1              0              35       0
APPL    73      0         19             0              54       0
COSEM   3951    0         3              486            3462     0
SYMSEC  39      0         13             0              26       0
PUBSEC          All (No ciphered association with the required properties)
DP      0       0         0              0              0        0
GBT             All (No association with the required properties)


Communication profile:              HDLC

Application context names:          LONG_NAMES,LONG_NAMES_WITH_CIPHERING

Authentication mechanisms:          NO_SECURITY,LOW_LEVEL_SECURITY
                                    HIGH_LEVEL_SECURITY_GMAC

ACSE and xDLMS features:            ACTION,GET,SERVICE_SPECIFIC_BLOCK_TRANSFER
                                    SET

Security features:                  SERVICE_SPECIFIC_DED_CIPHERING
                                    SERVICE_SPECIFIC_GLO_CIPHERING,SUITE_0
                                    SECURITY_ACTIVATE,KEY_TRANSFER

Data protection features:           (not collected)

Logical device(s) found:
                                    SAP = 1 is "484D544D543330314B50" (HMTMT301KP)


COSEM classes tested:               1,3,4,7(1),8,11,15,17,18,19,20,23,41,42,45
                                    64(1),70

COSEM classes found but not tested: (none)
```

Certification No. 2510

Summary of features tested for Test 2

```
This section provides an overview of the features tested, aggregated over all logical
devices and Application Associations in one test session. Full information is available in
the Test Result.
```

```
******************
* Identification *
******************

Identification = {
  Manufacturer = "\Hangzhou Meteronic Technology Co., Ltd."
  FLAGid = "\HMT"
  Type = "\MT301KP"
  UnverifiedFirmwareId = "\V01.07.A.01"
  UnverifiedFirmwareVersion = "\V01.07"
  ConfigurationId = "\00019338001"
  SerialNr = "\00019338001"
}


***********
* Summary *
***********


TYPE    TOTAL   SKIPPED   INAPPLICABLE   INCONCLUSIVE   PASSED   FAILED
----    -----   -------   ------------   ------------   ------   ------
HDLC            All(MODE_E)
APPL    73      0         19             0              54       0
COSEM   3951    0         3              486            3462     0
SYMSEC  39      0         13             0              26       0
PUBSEC          All (No ciphered association with the required properties)
DP      0       0         0              0              0        0
GBT             All (No association with the required properties)


Communication profile:            HDLC

Application context names:        LONG_NAMES,LONG_NAMES_WITH_CIPHERING

Authentication mechanisms:        NO_SECURITY,LOW_LEVEL_SECURITY
                                  HIGH_LEVEL_SECURITY_GMAC

ACSE and xDLMS features:          ACTION,GET,SERVICE_SPECIFIC_BLOCK_TRANSFER
                                  SET

Security features:                SERVICE_SPECIFIC_DED_CIPHERING
                                  SERVICE_SPECIFIC_GLO_CIPHERING,SUITE_0
                                  SECURITY_ACTIVATE,KEY_TRANSFER

Data protection features:         (not collected)

Logical device(s) found:
                                  SAP = 1 is "484D544D543330314B50" (HMTMT301KP)


COSEM classes tested:             1,3,4,7(1),8,11,15,17,18,19,20,23,41,42,45
                                  64(1),70


COSEM classes found but not tested:  (none)
```

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Summary of features tested for Test 3

```
This section provides an overview of the features tested, aggregated over all logical
devices and Application Associations in one test session. Full information is available in
the Test Result.
```

```
******************
* Identification *
******************

Identification = {
  Manufacturer = "\Hangzhou Meteronic Technology Co., Ltd."
  FLAGid = "\HMT"
  Type = "\MT301KP"
  UnverifiedFirmwareId = "\V01.07.A.01"
  UnverifiedFirmwareVersion = "\V01.07"
  ConfigurationId = "\00019338001"
  SerialNr = "\00019338001"
}


***********
* Summary *
***********


TYPE    TOTAL   SKIPPED   INAPPLICABLE   INCONCLUSIVE   PASSED   FAILED
----    -----   -------   ------------   ------------   ------   ------
HDLC            All(Communication profile not HDLC)
APPL    73      0         18             0              55       0
COSEM   3951    0         3              486            3462     0
SYMSEC  42      0         12             0              30       0
PUBSEC          All (No ciphered association with the required properties)
DP      0       0         0              0              0        0
GBT             All (No association with the required properties)


Communication profile:            TCP


Application context names:        LONG_NAMES,LONG_NAMES_WITH_CIPHERING


Authentication mechanisms:        NO_SECURITY,LOW_LEVEL_SECURITY
                                  HIGH_LEVEL_SECURITY_GMAC


ACSE and xDLMS features:          ACTION,GET,RLRQ_RLRE
                                  SERVICE_SPECIFIC_BLOCK_TRANSFER,SET


Security features:                SERVICE_SPECIFIC_DED_CIPHERING
                                  SERVICE_SPECIFIC_GLO_CIPHERING,SUITE_0
                                  SECURITY_ACTIVATE,KEY_TRANSFER


Data protection features:         (not collected)


Logical device(s) found:
                                  SAP = 1 is "484D544D543330314B50" (HMTMT301KP)



COSEM classes tested:             1,3,4,7(1),8,11,15,17,18,19,20,23,41,42,45
                                  64(1),70


COSEM classes found but not tested:  (none)
```

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