dlms

device
language
message
specification

DLMS User Association

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Certification No. 2478

This is to certify that the metering equipment identified as:

Type: MT118   UnverifiedFirmwareId = "\V01.07.A.01" UnverifiedFirmwareVersion = "\V01.07"
Mgmt. SAP = 1 is "484D544D54313138" (HMTMT118)
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 KEY_TRANSFER	25-NOV-2020 16:20:54	59B1FB8A8A4B74E5DB04EECE21A9290B9 CAC49306839EC458D1A6A3729903D4F
Test 2	HDLC, MODE_E			25-NOV-2020 17:09:09	EC5C9D06DDAEA3573C513327528A9DBD 1DE32592EABE64E3B2DB2709D6F4A1A3
Test 3	TCP			25-NOV-2020 15:45:27	1E6F45A51F31F6C787E9A2525015EB29A7 C8344043DD2832A03940E4A283B09C

This MT118 meter device type has already been certified as No. 2414 for EFR Europaeische Funk-Rundsteuerung GmbH at 21st August 2020.

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: Zug, the 30th November 2020

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 = "\MT118"
  UnverifiedFirmwareId = "\V01.07.A.01"
  UnverifiedFirmwareVersion = "\V01.07"
  ConfigurationId = "\0120080028"
  SerialNr = "\0120080028"
}

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


TYPE    TOTAL   SKIPPED   INAPPLICABLE   INCONCLUSIVE   PASSED   FAILED
----    -----   -------   ------------   ------------   ------   ------
HDLC    36      0         1              0              35       0
APPL    73      0         19             0              54       0
COSEM   2886    0         3              318            2565     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 "484D544D54313138" (HMTMT118)


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 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 = "\MT118"
  UnverifiedFirmwareId = "\V01.07.A.01"
  UnverifiedFirmwareVersion = "\V01.07"
  ConfigurationId = "\0120080028"
  SerialNr = "\0120080028"
}

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

TYPE    TOTAL   SKIPPED   INAPPLICABLE   INCONCLUSIVE   PASSED   FAILED
----    -----   -------   ------------   ------------   ------   ------
HDLC            All(MODE_E)
APPL    73      0         19             0              54       0
COSEM   2886    0         3              318            2565     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 "484D544D54313138" (HMTMT118)


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 = "\MT118"
  UnverifiedFirmwareId = "\V01.07.A.01"
  UnverifiedFirmwareVersion = "\V01.07"
  ConfigurationId = "\0120080028"
  SerialNr = "\0120080028"
}

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


TYPE    TOTAL   SKIPPED   INAPPLICABLE   INCONCLUSIVE   PASSED   FAILED
----    -----   -------   ------------   ------------   ------   ------
HDLC            All(Communication profile not HDLC)
APPL    73      0         18             0              55       0
COSEM   2886    0         3              318            2565     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 "484D544D54313138" (HMTMT118)


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)
```