

Certification No. 2480

This is to certify that the metering equipment identified as:

Type: MT318 UnverifiedFirmwareId = "\V01.06.A.01" UnverifiedFirmwareVersion = "\V01.06"
Mgmt. SAP = 1 is "484D544D54333138" (HMTMT318)
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	26-NOV-2020 07:53:30	ED3D0ED2B4CA0174E0B572C5938AAD35 35DA606EF87A43B8599BD039385FD635
Test 2	HDLC, MODE_E			26-NOV-2020 08:26:40	AFFAAAF2AF0FB664E351C4C03C55F5AF BDF4393F43C3C8FE51184A27C94BEB89
Test 3	TCP			25-NOV-2020 17:29:08	52A581BD8533EE7A298362F655DBDB5190 ED6CA528F610A3CD975A0F98369BA7

This MT318 meter device type has already been certified as No. 2415 for EFR Europäische 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.



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



Gyöző Kmethy
President Emeritus



Viktória Varjú
Certification Engineer

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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 = "\MT318"  
  UnverifiedFirmwareId = "\V01.06.A.01"  
  UnverifiedFirmwareVersion = "\V01.06"  
  ConfigurationId = "\0020081010"  
  SerialNr = "\0020081010"  
}
```

```
*****  
* Summary *  
*****
```

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	1	0	35	0
APPL	73	0	19	0	54	0
COSEM	3897	0	3	486	3408	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 "484D544D54333138" (HMTMT318)

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 = "\MT318"  
  UnverifiedFirmwareId = "\V01.06.A.01"  
  UnverifiedFirmwareVersion = "\V01.06"  
  ConfigurationId = "\0020081010"  
  SerialNr = "\0020081010"  
}
```

```
*****  
* Summary *  
*****
```

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC		All (MODE_E)				
APPL	73	0	19	0	54	0
COSEM	3897	0	3	486	3408	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 "484D544D54333138" (HMTMT318)

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 = "\MT318"  
  UnverifiedFirmwareId = "\V01.06.A.01"  
  UnverifiedFirmwareVersion = "\V01.06"  
  ConfigurationId = "\0020081010"  
  SerialNr = "\0020081010"  
}
```

```
*****  
* Summary *  
*****
```

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC		All (Communication profile not HDLC)				
APPL	73	0	18	0	55	0
COSEM	3897	0	3	486	3408	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 "484D544D54333138" (HMTMT318)  
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)
```