

Certification No. 2314

This is to certify that the metering equipment identified as:

**Type: Mk10M-SEC Active firmware(s): Id=2.S.1-103201B003
Id=2.S.1-103201A003
Id=204.BOOT**

Mgmt. SAP = 1 is "45444D323031303230303030303030" (EDM2010200000000)

Manufactured by: EDMI

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

- CTT version: CTT 3.1 extended edition, 64bits, release 107
- Licensed to: 20160729_EDMI_LTD (29/07/2016)
- 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_GLO_ CIPHERING, SUITE_0 SECURITY_ACTIVATE, KEY_TRANSFER	22-MAR-2020 23:19:02	24A051E8B252712FCAECA2 ED75FC7E4DC150C010CA43 1E05B9C2BB3B2FC637A7
Test 2	HDLC_MODE_E			24-MAR-2020 06:27:49	BA80185A0C629EEF0B2264 BFC52A8C487E74ECCB4C25 C2091BA1CBB05D59E3FC

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 25th March 2020



Sergio Lazzarotto
Executive Director and President



Győző 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 = "\EDMI"
  FLAGid = "\EDM"
  Type = "\Mk10M-SEC"
  ConfigurationId = "\CFG_SEMERU_Mk10MSEC"
  SerialNr = "\908402208"
  Comment = "\EDMI-Mk10M-SEC"
  Comment = "\EDMI-Meters"
}
```

* Summary *

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	2	0	34	0
APPL	121	0	31	0	90	0
COSEM	16433	0	41	329	16063	0
SYMSEC	36	0	9	0	27	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, MULTIPLE_REFERENCES
SELECTIVE_ACCESS
SERVICE_SPECIFIC_BLOCK_TRANSFER, SET

Security features: SERVICE_SPECIFIC_GLO_CIPHERING, SUITE_0
SECURITY_ACTIVATE, KEY_TRANSFER

Data protection features: (not collected)

Logical device(s) found: SAP = 1 is "45444D32303130323030303030303030"
(EDM201020000000)

Active firmware(s): Id=2.S.1-103201B003
S=2B77ADB28688D748242877167B98312C694549783303AFCA16BB2729A92963AC35DE572F15D26EAC3A2413190E3064
49D0830B75A4C39234CD6BA9D30F91E025

Id=2.S.1-103201A003
S=1697E859A006EA42FE84B110BE340899191DF2ACB7F777CE18202C414C7596CDFB2FA8C6B7AD877E694122B65AB3F8
B99D67455EED1CF769067143322B4C7A35

Id=204.BOOT
S=C9CFC68EB1A5ADF5BF0571D75EFC77CACDB504AF5D4E8A4D54F112DB6907AA7E515A8D9028FAFF0729684778DFD301
D9ABAFDAFF052B6BFB1206A6481370F77A

COSEM classes tested: 1, 3, 4, 5, 6, 7 (1), 8, 9, 11, 15 (1), 17, 18, 19 (1), 20
22, 23 (1), 40, 64, 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 = "\EDMI"
  FLAGid = "\EDM"
  Type = "\Mk10M-SEC"
  ConfigurationId = "\CFG_SEMERU_Mk10MSEC"
  SerialNr = "\908402208"
  Comment = "\EDMI-Mk10M-SEC"
  Comment = "\EDMI-Meters"
}
```

* Summary *

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC		All (MODE_E)				
APPL	121	0	31	0	90	0
COSEM	16405	0	41	337	16027	0
SYMSEC	36	0	9	0	27	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, MULTIPLE_REFERENCES
SELECTIVE_ACCESS
SERVICE_SPECIFIC_BLOCK_TRANSFER, SET

Security features: SERVICE_SPECIFIC_GLO_CIPHERING, SUITE_0
SECURITY_ACTIVATE, KEY_TRANSFER

Data protection features: (not collected)

Logical device(s) found: SAP = 1 is "45444D32303130323030303030303030"
(EDM2010200000000)

Active firmware(s): Id=2.S.1-103201B003 S=5EEDC1D320DBC0525DDF94765749BCE683735
963AF920D6E8CFCE34B832786697A47251B4358E6279592924D8B2F86EF21CE0BC2C67BAE77D96FB37603DA414A
Id=2.S.1-103201A003 S=1697E859A006EA42FE84B110BE340899191DF
2ACB7F777CE18202C414C7596CDFB2FA8C6B7AD877E694122B65AB3F8B99D67455EED1CF769067143322B4C7A35
Id=204.BOOT S=C9CFC68EB1A5ADF5BF0571D75EFC77CACDB504
AF5D4E8A4D54F112DB6907AA7E515A8D9028FAFF0729684778DFD301D9ABAFDAFF052B6BFB1206A6481370F77A

COSEM classes tested: 1, 3, 4, 5, 6, 7 (1), 8, 9, 11, 15 (1), 17, 18, 19 (1), 20
22, 23 (1), 40, 64, 70

COSEM classes found but not tested: (none)