

Certification No. 2371

This is to certify that the metering equipment identified as:

**Type: EWGE11x-AMI4 Active firmware(s): Id=01190301 S=7540CF39 Id=400112010000 S=1206DBB8
Id=000000000000 S=000000000000 Id=06108098 S=0610B731
Id=000000000000 S=000000000000 Id=000000000000 S=000000000000**
Mgmt. SAP = 1 is "45574731303230333031303130303135" (EWG1020301010015)
Manufactured by: EWG d.o.o.

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

- CTT version: CTT 3.1 standard edition, 64bits, release 107
- Licensed to: 20200107_EWG_DOO_BEOGRAD (1/6/2020)
- COSEM object definitions file version: Object_defs_v3.6_Released_2_20200102.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	12-JUN-2020 15:15:24	5EFA8781CB88030BB183F36BA8F3AB31A 2AF1914900653363A46FD8C4E2F8389
Test 2	HDLC	LONG_NAMES	(not collected)	12-JUN-2020 15:32:36	6C1DAFAA4CE55BF45FCE6A02DB3838D2 8CBD96C049960D046ED8C204736F36C5

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 12th June 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 = "\EWG d.o.o."
  FLAGid = "\EWG"
  Type = "\EWGE11x-AMI4"
  SerialNr = "\01010015"
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	1	0	35	0
APPL	58	0	16	0	42	0
COSEM	1549	0	2	28	1519	0
SYMSEC	36	0	8	0	28	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, HIGH_LEVEL_SECURITY_GMAC

ACSE and xDLMS features: ACTION, GET, 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 "45574731303230333031303130303135"
(EWG1020301010015)

Active firmware(s): Id=01190301 S=7540CF39
Id=400112010000 S=1206DBB8
Id=000000000000 S=000000000000
Id=06108098 S=0610B731
Id=000000000000 S=000000000000
Id=000000000000 S=000000000000

COSEM classes tested: 1, 3, 4, 5, 6, 7 (1), 8, 9, 11, 15 (1), 17, 18, 20, 21, 22
23 (1), 27 (1), 28 (2), 29 (2), 41, 42, 43, 44, 45, 47
48, 50 (1), 51, 52, 53, 55, 56, 64, 70, 71, 90 (1)
91 (1), 92 (1)

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 = "\EWG d.o.o."
  FLAGid = "\EWG"
  Type = "\EWGE11x-AMI4"
  SerialNr = "\01010015"
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	1	0	35	0
APPL	57	0	19	0	38	0
COSEM	1556	0	2	26	1528	0
SYMSEC		All (No ciphered association with the required properties)				
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

Authentication mechanisms:      NO_SECURITY,LOW_LEVEL_SECURITY

ACSE and xDLMS features:       GET,SELECTIVE_ACCESS
                                SERVICE_SPECIFIC_BLOCK_TRANSFER,SET

Security features:              (not collected)

Data protection features:       (not collected)

Logical device(s) found:       SAP = 1 is "45574731303230333031303130303135"
                                (EWG1020301010015)

Active firmware(s):            Id=01190301 S=7540CF39
                                Id=400112010000 S=1206DBB8
                                Id=000000000000 S=000000000000
                                Id=06108098 S=0610B731
                                Id=000000000000 S=000000000000
                                Id=000000000000 S=000000000000

COSEM classes tested:          1,3,4,5,6,7(1),8,9,11,15(1),17,18,20,21,22
                                23(1),27(1),28(2),29(2),41,42,43,44,45,47
                                48,50(1),51,52,53,55,56,64,70,71,90(1)
                                91(1),92(1)

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