

## Certification No. 2372

This is to certify that the metering equipment identified as:

**Type: EWGE31x-AMI4 Active firmware(s): Id=03190301 S=335088B4 Id=400312010000 S=11068EEB  
Id=000000000000 S=000000000000 Id=0609AB35 S=0609A91E  
Id=000000000000 S=000000000000 Id=000000000000 S=000000000000**  
**Mgmt. SAP = 1 is "4557473130333033034303130303135" (EWG1030304010015)**  
**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 15:47:59	1576CF4FBAA01F81CE72F657210553EB91 AAF6F22057D29232C4D2E9CCAD113F
Test 2	HDLC, DIRECT_HDLC	LONG_NAMES	(not collected)	12-JUN-2020 14:49:55	CBD0B06B00CB650820AB698E692678F1E B88890442E6D2C934319EFDF5045518

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](http://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 12<sup>th</sup> 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 = "\EWGE31x-AMI4"  
  SerialNr = "\04010015"  
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	1	0	35	0
APPL	58	0	16	0	42	0
COSEM	1765	0	2	22	1741	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 "45574731303330333034303130303135"  
(EWG1030304010015)

Active firmware(s): Id=03190301 S=335088B4  
Id=400312010000 S=11068EEB  
Id=000000000000 S=000000000000  
Id=0609AB35 S=0609A91E  
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 = "\EWGE31x-AMI4"  
  SerialNr = "\04010015"  
}
```

\*\*\*\*\*  
\* Summary \*  
\*\*\*\*\*

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	1	0	35	0
APPL	57	0	19	0	38	0
COSEM	1765	0	2	22	1741	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 "45574731303330333034303130303135"  
(EWG1030304010015)

Active firmware(s): Id=03190301 S=335088B4  
Id=400312010000 S=11068EEB  
Id=000000000000 S=000000000000  
Id=0609AB35 S=0609A91E  
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)