

Certification No. 2379

This is to certify that the metering equipment identified as:

**Type: EWGE32x-AMI4 Active firmware(s): Id=04191209 S=A13298D7 Id=400512010000 S=1506422F
Id=000000000000 S=000000000000 Id=0613EB5D S=0613E8D5
Id=000000000000 S=000000000000 Id=000000000000 S=000000000000**
Mgmt. SAP = 1 is "45574730313330303035303130303135" (EWG0130005010015)
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	HDL DIRECT_HDL	LONG_NAMES, LONG_NAMES _WITH_ CIPHERING	SERVICE_SPECIFIC_ GLO_CIPHERING, SUITE_0 SECURITY_ACTIVATE KEY_TRANSFER	15-JUN-2020 15:36:02	66AF5FB9493421CFDAEA605A31AD38425 3370A1C3BF310D83F536D4E64509E52
Test 2	HDL DIRECT_HDL	LONG_NAMES	(not collected)	15-JUN-2020 15:06:54	FF45D759284A5CCA456B54932578A2187A 4477487E12D47DBCA14A98FE169885

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.



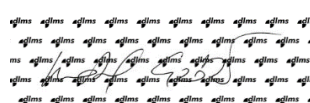
The test reports are filed by the DLMS UA. Copies are available from the manufacturer.

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 17th 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 = "\EWGE32x-AMI4"
  SerialNr = "\05010015"
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	1	0	35	0
APPL	58	0	16	0	42	0
COSEM	1509	0	2	22	1485	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 "45574730313330303035303130303135"
(EWG0130005010015)

Active firmware(s): Id=04191209 S=A13298D7
Id=400512010000 S=1506422F
Id=000000000000 S=000000000000
Id=0613EB5D S=0613E8D5
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, 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 = "\EWG d.o.o."  
  FLAGid = "\EWG"  
  Type = "\EWGE32x-AMI4"  
  SerialNr = "\05010015"  
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	1	0	35	0
APPL	57	0	19	0	38	0
COSEM	1509	0	2	22	1485	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 "45574730313330303035303130303135"  
(EWG0130005010015)  
Active firmware(s):           Id=04191209 S=A13298D7  
                                Id=400512010000 S=1506422F  
                                Id=000000000000 S=000000000000  
                                Id=0613EB5D S=0613E8D5  
                                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  
                                48,64,70  
COSEM classes found but not tested: (none)
```