

Certification No. 2044

This is to certify that the metering equipment identified as:

Type: Landis+Gyr ZA E460 1ph Din-Rail Adesto
Mgmt. SAP = 1 is "4C475A31303230323630303332343136" (LGZ1020260032416)
Manufactured by: Landis+Gyr

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

- CTT version: ctcl 3.0 extended edition, 32bits (109)
- Licensed to: Landis+Gyr (7/11/2005)
- 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	ACTIVATE_SECURITY_ POLICY,	19-NOV- 2018 09:02:00	FF2B0BABB95DA17F2E7C8 2F5EA146BB30A07A3BD3B ADFF9E12DF64EB00936621
Test 2		SHORT_NAMES, SHORT_NAMES_WITH_ CIPHERING	GENERAL_GLO_CIPHERING, KEY_TRANSFER	16-NOV- 2018 16:11:20	DCA05145D4FA7A67491B53 8D6365B377999E3C7376D25 DDA3D30BFADFB1C5879

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 23rd November 2018



Gyöző Kmethy
President

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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 = "\Landis+Gyr"  
  FLAGid = "\LGZ"  
  Type = "\Landis+Gyr ZA E460 1ph Din-Rail Adesto"  
  IUTIsModule = TRUE  
  SerialNr = "\600324144"  
}
```

* Summary *

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	3	0	33	0
APPL	49	0	11	0	38	0
COSEM	1325	0	11	47	1267	0
SYMSEC	71	0	17	0	54	0

Communication profile: HDLC

Application context names: LONG_NAMES, LONG_NAMES_WITH_CIPHERING

Security mechanisms: NO_SECURITY, HIGH_LEVEL_SECURITY_GMAC

ACSE and xDLMS features: ACTION, GET, MULTIPLE_REFERENCES
SELECTIVE_ACCESS
SERVICE_SPECIFIC_BLOCK_TRANSFER, SET

Security features: ACTIVATE_SECURITY_POLICY
GENERAL_GLO_CIPHERING, KEY_TRANSFER

Logical device(s) found: SAP = 1 is "4C475A31303230303630303332343134"
(LGZ1020060032414)

COSEM classes tested: 1, 3, 4, 5, 6, 7 (1), 8, 9, 11, 12 (2), 15 (1), 17, 18, 20
21, 22, 23 (1), 29 (2), 40, 41, 43, 48, 64, 70, 71
90 (1), 91 (1), 92 (1)

COSEM classes found but not tested: 68, 111, 112, 113, 115

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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 = "\Landis+Gyr"  
  FLAGid = "\LGZ"  
  Type = "\Landis+Gyr ZA E460 1ph Din-Rail Adesto"  
  IUTIsModule = TRUE  
  SerialNr = "\600324144"  
}
```

* Summary *

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	3	0	33	0
APPL	48	0	11	0	37	0
COSEM	1315	0	11	47	1257	0
SYMSEC	71	0	17	0	54	0

Communication profile: HDLC

Application context names: SHORT_NAMES,SHORT_NAMES_WITH_CIPHERING

Security mechanisms: NO_SECURITY,HIGH_LEVEL_SECURITY_GMAC

ACSE and xDLMS features: MULTIPLE_REFERENCES,READ,SELECTIVE_ACCESS
SERVICE_SPECIFIC_BLOCK_TRANSFER,WRITE

Security features: ACTIVATE_SECURITY_POLICY
GENERAL_GLO_CIPHERING,KEY_TRANSFER

Logical device(s) found: SAP = 1 is "4C475A31303230303630303332343134"
(LGZ1020060032414)

COSEM classes tested: 1,3,4,5,6,7(1),8,9,11,12(2),15(1),17,18,20
21,22,23(1),29(2),40,41,43,48,64,70,71
90(1),91(1),92(1)

COSEM classes found but not tested: 68,111,112,113,115