

Certification No. 2316

This is to certify that the metering equipment identified as:

Type: Landis+Gyr E360-AM3D.x5D.Bx-L1 P1 Wx D3 xx.110 S1

Active firmware(s): Id=U.041.01.32;U.042.01.32;U.043.01.32;U.044.01.32

Id=U.042.01.32 Id=U.043.01.32 Id=U.044.01.3 Id=U.041.01.32 Id=U.040.01.00

Mgmt. SAP = 1 is "4C475A31303330313132333435363738" (LGZ1030112345678)

Manufactured by: Landis+Gyr

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

- CTT version: CTT 3.1 standard edition, 64bits, release 107
- Licensed to: Landis+Gyr (11/07/2005)
- 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	SERVICE_SPECIFIC_GLO_ CIPHERING, SUITE_0 SECURITY_ACTIVATE, KEY_TRANSFER	21-MAR-2020 02:23:07	FAA213346FB33CAE512D53 AEF17E4FC8CA75FA2F0DA F03A0A6640E9C73C51CB1

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.



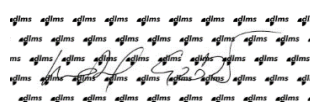
The test reports are filed by the DLMS UA. Copies are available from the manufacturer.

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 24th 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 = "\Landis+Gyr"
  FLAGid = "\LGZ"
  Type = "\Landis+Gyr E360-AM3D.x5D.Bx-L1 P1 Wx D3 xx.110 S1"
  IUTIsModule = TRUE
  SerialNr = "\12345678"
}
```

* Summary *

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	----	-----	-----	-----	-----	-----
HDLC	36	0	5	0	31	0
APPL	55	0	17	0	38	0
COSEM	4032	0	33	1905	2094	0
SYMSEC	45	0	9	0	36	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, MULTIPLE_REFERENCES, RLRQ_RLRE
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 "4C475A31303330313132333435363738"
(LGZ1030112345678)

Active firmware(s): Id=U.041.01.32;U.042.01.32;U.043.01.32;U.044.01.32
Id=U.042.01.32 S=AF2D5AF600AB2C6E4959E6723F87BF605DCCBC2
B5B00327779D43ABEF66B34CE9321CC7B77E63ACE8BC71FA6FD5545E4
Id=U.043.01.32 S=57D652258887101C8777BF3E1EFD21671F2B9F0
FB31A18ED9309AC33ED55E9FAF631391021915CAB8778B0085BE661C3
Id=U.044.01.32 S=6F7488C1E0918901C7B4BE4768675948999AA2FE6
9FA0CBB6374FB236A6773B872DB4012B28EC1A11669DD850449B9C9
Id=U.041.01.32 S=0F3613657F9F40A109C6A9C2E03F555EECF34CF2
59478B9088893C68AAD8E54A2EDD959E1B7CE89FA30F80C134096D31
Id=U.030.01.00 S=26691A5042A2F1E013A106ED316ACD709B4F9087
5CD9C636CBDBA24FD2ABA4D6A3EFFB9B92041243779212C4043F3883

COSEM classes tested: 1, 3, 4, 5, 6, 7 (1), 8, 9, 11, 15 (3), 17, 18, 19 (1), 20
22, 23 (1), 27 (1), 29 (2), 40, 41, 42, 45, 64 (1), 70

COSEM classes found but not tested: 47 (1)