

Certification No. 2315

This is to certify that the metering equipment identified as:

Type: Landis+Gyr E360-AD2D.x5D.Bx-L1 P1 Wx D1 0x.110 S1

Active firmware(s): Id=U.031.01.32;U.032.01.32;U.033.01.32;U.034.01.32

Id=U.032.01.32 Id=U.033.01.32 Id=U.034.01.3 Id=U.031.01.32 Id=U.030.01.00

Mgmt. SAP = 1 is "4C475A31303230313132333435363738" (LGZ1020112345678)

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 01:13:41	085C2DB9B1D4ECA6234F9EB02F7 06BB047DD4E575758B241B05B650 6F8BD6B22

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-AD2D.x5D.Bx-L1 P1 Wx D1 0x.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	3562	0	33	1670	1859	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 "4C475A31303230313132333435363738"
(LGZ1020112345678)

Active firmware(s): Id=U.031.01.32;U.032.01.32;U.033.01.32;U.034.01.32
Id=U.032.01.32 S=FE4D651217C69EE72F5A815DB8E5F9BCCD0FE2B
6A775D55E923BAFDE63E132ECF9F3E714C50FB5BEA87B9EF347279FDD
Id=U.033.01.32 S=41B42FC049BB76307D09EBCA7D435DA8ACAD2
67A5DE373297F2FAAEF1E72A33A86CDD95E0A31E8591ED780D4F69262AE
Id=U.034.01.32 S=61A12F431FB12459D0A1427E6ACAF108F058A6
87C324C6665D08E1A857594D2224EC1B06A13EB350E7CC82573A321CAC
Id=U.031.01.32 S=CE81930B205F76855C98D07F8FC4D224F74C4A7
8CC627CEF0E9CDC8A04122CEAA074A3FC6DC876E8F7DCC8E39974F031
Id=U.030.01.00 S=8A0FEFEB69BB30C0F8A9E6C1B40CCE3CD7FD2B9
0C67B028CE9161E04DBF8E9FD5E42096218D54BA1A10EA07F9D035C6F

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)