

Certification No. 2488

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.041.04.93;
U.042.04.72;U.043.04.85;U.044.04.96 Id=33302E30302E3230372E370000000000000000
Id=U.042.04.72 Id=U.043.04.85 Id=U.044.04.96 Id=U.041.04.93 Id=U.030.01.00**

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	GENERAL_GLO_CIPHERING, SUITE_0 SECURITY_ACTIVATE, KEY_TRANSFER	02-DEC-2020 20:18:35	61AC0AF003D742DC9E543 AF97090A2FFE87D580316B D086CB1D289F22123AE45

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.



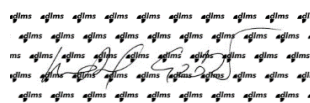
The test reports are filed by the DLMS UA. Copies are available from the manufacturer.

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: Sursee, the 9th December 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 = "\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	2587	0	18	99	2470	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	25	0	10	0	15	0

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, GENERAL_BLOCK_TRANSFER, GET
MULTIPLE_REFERENCES, RLRQ_RLRE
SELECTIVE_ACCESS
SERVICE_SPECIFIC_BLOCK_TRANSFER, SET

Security features: GENERAL_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.041.04.93;U.042.04.72;U.043.04.85; U.044.04.96
Id=33302E30302E3230372E37000000000000000000
Id=U.042.04.72
S=1AD2A743A3D918A3E922F93695F816E7F629377F59B7215B00114D6C801D16A3FEFB9A7B575A8B316232C9FD
BE9FC062 Id=U.043.04.85
S=2A52416C62F48C9C923EF665D5BC503D1497F2F7845EA912A479837B8C16496080268661B0D53CB70B7E6D52
F0600DF0 Id=U.044.04.96
S=557B9F34ABFE97F5143CC4589BE364EA0E186EA24DE28E3D9E8F9C9B1C5881741139B62E673D0242450C9C8F
7F5FBCC1 Id=U.041.04.93
S=1603AC2F5CAA121419CCDF1E95354A2AABA1E5EA661DE755DE7913D178372302947364C6B1C104BFA9777E27
9770CC97 Id=U.030.01.00
S=95116469447FD2A303BA458284D110860857F0A8D78AD01D42C997571D474808A969AE4C86EA5233E943F9C4
88A85DD5
COSEM classes tested: 1, 3, 4, 5, 6, 7 (1), 8, 9, 11, 15 (3), 17, 18, 19 (1), 20
21, 22, 23 (1), 27 (1), 28 (2), 29 (2), 40, 41, 42, 44
45, 64 (1), 70, 71
COSEM classes found but not tested: 47 (1), 100