

Certification No. 2061

This is to certify that the metering equipment identified as:

Type: LGG120

Mgmt. SAP = 1 is "4C4747313031303730303030303036" (LGG1010700000006)

Manufactured by: NINGXIA LGG INSTRUMENT CO.,LTD.

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

- CTT version: CTT 3.1 standard edition, 64bits, release 107
- Licensed to: 20170909_NINGXIA_LGG_INSTRUMENT_CO_LTD_Hangzhou_China (2017-09-09)
- 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	-	10-JAN-2019 11:23:25	4BC3D397B86016D8F09B8FB42AA12BF30 A68F441C106E7FB6E1DAE4CC13E2038
Test 2	HDLC, MODE_E			10-JAN-2019 11:46:07	EB65602B98EA73ACB2AC3FCB8E27AE5F 29DB74CD7D54EE379D175C3BFBF22C47

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 11th January 2019



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 = "\NINGXIA LGG INSTRUMENT CO.,LTD."  
  FLAGid = "\LGG"  
  Type = "\LGG120"  
  SerialNr = "\190100000006"  
}
```

* Summary *

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	1	0	35	0
APPL	57	0	19	0	38	0
COSEM	1863	0	2	247	1614	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, SERVICE_SPECIFIC_BLOCK_TRANSFER, SET

Security features: (not collected)

Data protection features: (not collected)

Logical device(s) found:
SAP = 1 is "4C4747313031303730303030303036"
(LGG1010700000006)

Active firmware(s):
Id=LGG120.001 V=MMLG1200101102305[100]10V1.02
S=5A9E3BCF

COSEM classes tested: 1, 3, 4, 5, 7(1), 8, 9, 11, 15(1), 17, 19(1), 20, 23(1)
27(1), 29(2), 41, 42, 43, 45, 47

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 = "\NINGXIA LGG INSTRUMENT CO.,LTD."  
  FLAGid = "\LGG"  
  Type = "\LGG120"  
  SerialNr = "\190100000006"  
}
```

* Summary *

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC		All (MODE_E)				
APPL	57	0	19	0	38	0
COSEM	1863	0	2	247	1614	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,SERVICE_SPECIFIC_BLOCK_TRANSFER,SET

Security features: (not collected)

Data protection features: (not collected)

Logical device(s) found:
SAP = 1 is "4C474731303130373030303030303036"
(LGG1010700000006)

Active firmware(s):
Id=LGG120.001 V=MMLG1200101102305[100]10V1.02
S=5A9E3BCF

COSEM classes tested: 1,3,4,5,7(1),8,9,11,15(1),17,19(1),20,23(1)
27(1),29(2),41,42,43,45,47

COSEM classes found but not tested: (none)