

## Certification No. 2056

This is to certify that the metering equipment identified as:

**Type: LGG140D**

**Mgmt. SAP = 1 is "4C4747313030303730303030303034" (LGG1000700000004)**

**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	-	25-DEC-2018 10:16:26	6E5AD4332CA760535BE87B97D16F6AF79 5C07BD385D01BC9B46CC2112F322791
Test 2	HDLC, MODE_E			25-DEC-2018 10:36:52	5E2953165F16F55262626872791967E2D1EF 545BA7FF5C43C941E071BFEB4500
Test 3	TCP			25-DEC-2018 09:56:23	8AEBBFB29B4482498ED9FE06E9889CA21 C3A8D39386BCD86071AC8EBAEE4A869

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](http://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 3<sup>rd</sup> January 2019



Gyöző Kmethy  
President

# Certification No. 2056

## 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 = "\LGG140D"  
  SerialNr = "\0159000000046"  
}
```

\*\*\*\*\*  
\* Summary \*  
\*\*\*\*\*

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	1	0	35	0
APPL	57	0	19	0	38	0
COSEM	2123	0	2	289	1832	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 "4C474731303030373030303030303034"  
(LGG1000700000004)

Active firmware(s):  
Id=LGG140D.002 V=NGLG140D02011N2405[100]10V1.02  
S=05060427

COSEM classes tested: 1,3,4,5,7(1),8,9,11,15(1),17,19(1),20,23(1)  
27(1),29(2),41,42,43,45,47,70,115

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 = "\LGG140D"
  SerialNr = "\0159000000046"
}
```

\*\*\*\*\*  
\* Summary \*  
\*\*\*\*\*

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC		All (MODE_E)				
APPL	57	0	19	0	38	0
COSEM	2123	0	2	289	1832	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 "4C474731303030373030303030303034"  
(LGG1000700000004)

Active firmware(s):  
Id=LGG140D.002 V=NGLG140D02011N2405[100]10V1.02  
S=05060427

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, 70, 115

COSEM classes found but not tested: (none)

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## Summary of features tested for Test 3

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 = "\LGG140D"  
  SerialNr = "\0159000000046"  
}
```

\*\*\*\*\*  
\* Summary \*  
\*\*\*\*\*

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC		All (Communication profile not HDLC)				
APPL	57	0	18	0	39	0
COSEM	2123	0	2	289	1832	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: TCP

Application context names: LONG\_NAMES

Authentication mechanisms: NO\_SECURITY, LOW\_LEVEL\_SECURITY

ACSE and xDLMS features: GET, RLRQ\_RLRE  
SERVICE\_SPECIFIC\_BLOCK\_TRANSFER, SET

Security features: (not collected)

Data protection features: (not collected)

Logical device(s) found: SAP = 1 is "4C4747313030303730303030303034"  
(LGG1000700000004)

Active firmware(s): Id=LGG140D.002 V=NGLG140D02011N2405[100]10V1.02  
S=05060427

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, 70, 115

COSEM classes found but not tested: (none)