

Certification No. 1929

This is to certify that the metering equipment identified as:

Type: LGG360T

Mgmt. Logical Device Name: SAP = 1 is "4C4747313031303730303030303033" (LGG1010700000003)

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 104
- Licensed to: 20170909_NINGXIA_LGG_INSTRUMENT_CO_LTD_Hangzhou_China (2017-09-09)
- COSEM object definitions file version: Object_defs_v3.1_released_170313.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	—	15-MAR-2018 09:45:10	563B87B653AD7B2738789D78C0527EC71F D22BB223E444CA7061DAA3B49303C9
Test 2	HDLC, MODE_E	LONG_NAMES	—	15-MAR-2018 10:26:21	6E18E5D7AEC8D061351FB05155F6D33A6 AC24DFACD12511E537FFBDB0F42E37
Test 3	TCP	LONG_NAMES	—	15-MAR-2018 09:31:47	ABBAB38D85439619B2B3A692E5AE84FD1 102E4DD32EF5A6E6B80874AA932221D

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 15th March 2018



Gyöző Kmety
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 = "\LGG360T"  
  SerialNr = "\0159000000038"  
}
```

```
*****  
* Summary *  
*****
```

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	1	0	35	0
APPL	57	0	19	0	38	0
COSEM	2539	0	2	72	2465	0
SYMSEC		All (No ciphered association with the required properties)				
PUBSEC		All (No ciphered 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 "4C474731303130373030303030303033"  
(LGG1010700000003)  
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 = "\LGG360T"
  SerialNr = "\0159000000038"
}
```

```
*****
* Summary *
*****
```

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC		All (MODE_E)				
APPL	57	0	19	0	38	0
COSEM	2539	0	2	72	2465	0
SYMSEC		All (No ciphered association with the required properties)				
PUBSEC		All (No ciphered 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 "4C474731303130373030303030303033"
(LGG1010700000003)
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 = "\LGG360T"  
  SerialNr = "\0159000000038"  
}
```

```
*****  
* Summary *  
*****
```

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC		All (Communication profile not HDLC)				
APPL	57	0	18	0	39	0
COSEM	2539	0	2	72	2465	0
SYMSEC		All (No ciphered association with the required properties)				
PUBSEC		All (No ciphered 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 "4C474731303130373030303030303033"  
(LGG1010700000003)  
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)
```