

Certification No. 1790

This is to certify that the metering equipment identified as:

Type: P12G04

Mgmt. Logical Device Name: SAP = 1 is "4155582D5031324730342D52312D3031" (AUX-P12G04-R1-01)

Manufactured by: Ningbo Sanxing Smart Electric Co., Ltd

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

- CTT version: CTT 3.0 standard edition, 64bits (103)
- Licensed to: Ningbo_Sanxing_Smart_Electric_Co_Ltd (2016-11-21)
- COSEM object definitions file version: Object_defs_v2.10_released_GKVV151112.dat
- Media identifier(s): Abstract, Electricity

Tests	Comm. profile & opening mode	Application contexts	Security suite	Date and time	Test Result hash value
Test 1 RS485	HDLC	LONG_NAMES	0	08-FEB-2017 13:55:44	567CC3510C32293CE1101247BE200E7D03EDED12 13E31C2CCC6DA54BDC53AD3C
Test 2 optical	HDLC, MODE_E	LONG_NAMES	0	08-FEB-2017 13:41:45	9CAE872039831FE9D416F42428BFE70C1F7B29FB 01025F22E42B3DDBF8BE1FBA

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 8th February 2017



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 = "\Ningbo Sanxing Smart Electric Co., Ltd"
  FLAGid = "\AUX"
  Type = "\P12G04"
  IUTIsModule = FALSE
  SerialNr = "\201702080001"
  Comment = "\This is a comment"
  Comment = "\This is another comment"
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	2	0	34	0
APPL	50	0	12	0	38	0
COSEM	3602	0	4	14	3584	0

Communication profile: HDLC

Application context names: LONG_NAMES

Security mechanisms: NO_SECURITY, LOW_LEVEL_SECURITY

ACSE and xDLMS features: GET, SELECTIVE_ACCESS
SERVICE_SPECIFIC_BLOCK_TRANSFER, SET

Security features: (not collected)

Logical device(s) found: SAP = 1 is "4155582D5031324730342D52312D3031" (AUX-P12G04-R1-01)

COSEM classes tested: 1, 3, 4, 5, 7(1), 8, 9, 11, 15(1), 17, 18, 19, 20, 22
23(1), 40, 64, 70, 71

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 = "\Ningbo Sanxing Smart Electric Co., Ltd"  
  FLAGid = "\AUX"  
  Type = "\P12G04"  
  IUTIsModule = FALSE  
  SerialNr = "\201702080001"  
  Comment = "\This is a comment"  
  Comment = "\This is another comment"  
}
```

* Summary *

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC		All (MODE_E)				
APPL	50	0	12	0	38	0
COSEM	3595	0	4	16	3575	0

Communication profile: HDLC

Application context names: LONG_NAMES

Security mechanisms: NO_SECURITY, LOW_LEVEL_SECURITY

ACSE and xDLMS features: GET, SELECTIVE_ACCESS
SERVICE_SPECIFIC_BLOCK_TRANSFER, SET

Security features: (not collected)

Logical device(s) found: SAP = 1 is "4155582D5031324730342D52312D3031" (AUX-P12G04-R1-01)

COSEM classes tested: 1, 3, 4, 5, 7(1), 8, 9, 11, 15(1), 17, 18, 19, 20, 22
23(1), 40, 64, 70, 71

COSEM classes found but not tested: (none)