

Certification No. 2268

This is to certify that the metering equipment identified as:

Type: NSX 112i Active firmware(s): Id=P3486 2019-11-22 S=F598
Mgmt. SAP = 1 is "41555831393230383030303030303033" (AUX1920800000003)
Manufactured by: Ningbo Sanxing Smart Electric 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: Ningbo_Sanxing_Smart_Electric_Co_Ltd (2016-11-21)
- 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, MODE_E	LONG_NAMES	-	13-JAN-2020 08:55:32	1AA0F4F3750626F4819793AA24D89BF675 CD46D5638707D8216E4DABA0E821BC
Test 2	HDLC, DIRECT_HDLC			11-JAN-2020 16:00:59	F876EAB210977DFA5713DE3F4F1060D384 3E720919861B280B8E8DDC3FE247A3

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.

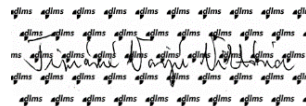
Date: Zug, the 14th January 2020



Sergio Lazzarotto
Executive Director and President



Gyözö Kmethy
President Emeritus



Viktória Varjú Timárné
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 = "\Ningbo Sanxing Smart Electric Co.,Ltd."  
  FLAGid = "\AUX"  
  Type = "\NSX 112i"  
  IUTIsModule = FALSE  
  SerialNr = "\00000003 "  
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC		All (MODE_E)				
APPL	57	0	19	0	38	0
COSEM	8052	0	2	25	8025	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 "415558313932303830303030303033"  
(AUX1920800000003)  
Active firmware(s):           Id=P3486 2019-11-22 S=F598  
COSEM classes tested:         1,3,15(1),17,64  
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 = "\NSX 112i"  
  IUTIsModule = FALSE  
  SerialNr = "\00000003"  
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	----	-----	-----	-----	-----	-----
HDLC	36	0	4	0	32	0
APPL	57	0	19	0	38	0
COSEM	8052	0	2	25	8025	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 "41555831393230383030303030303033"  
(AUX1920800000003)  
Active firmware(s):           Id=P3486 2019-11-22 S=F598  
COSEM classes tested:         1,3,15(1),17,64  
COSEM classes found but not tested: (none)
```