

## Certification No. 2244

This is to certify that the metering equipment identified as:

**Type: S34MD**

**Mgmt. SAP = 1 is "415558533344D4420202020202020" (AUXS34MD )**

**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 (109)
- 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, DIRECT_HDLC	LONG_NAMES	–	05-DEC-2019 09:59:07	17E68A190A280738CC915FB218E5ACDA905D6BE8459FF06696B458EABACC86C4
Test 2	HDLC, MODE_E	LONG_NAMES	–	05-DEC-2019 10:31:34	C4485459E9E19B731D67626FF6CFB1EE4A1E428BD27A228AB3E6ED9B0C59B905

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.

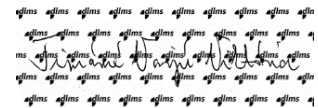
Date: Zug, the 10<sup>th</sup> December 2019



*Sergio Lazzarotto*  
Executive Director and President



*Gyöző 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 = "\S34MD"  
  IUTIsModule = FALSE  
  SerialNr = "\45000000013"  
  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	1372	0	2	0	1370	0
SYMSEC		All (No association with a ciphered context supporting the required services)				

```
Communication profile:          HDLC  
Application context names:     LONG_NAMES  
Security mechanisms:           NO_SECURITY,LOW_LEVEL_SECURITY  
ACSE and xDLMS features:      GET,SERVICE_SPECIFIC_BLOCK_TRANSFER,SET  
Security features:             (not collected)  
Logical device(s) found:      SAP = 1 is "4155585333344D4420202020202020" (AUXS34MD)  
)  
COSEM classes tested:         1,3,15(1),17  
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 = "\S34MD"
  IUTIsModule = FALSE
  SerialNr = "\45000000013"
  Comment = "\This is a comment"
  Comment = "\This is another comment"
}

*****
* Summary *
*****

TYPE      TOTAL      SKIPPED      INAPPLICABLE      INCONCLUSIVE      PASSED      FAILED
----      -
HDLC
APPL      50           0            12                0                 38          0
COSEM     1372        0             2                 0                1370        0
SYMSEC
          All (No association with a ciphered context supporting the required services)

Communication profile:           HDLC

Application context names:      LONG_NAMES

Security mechanisms:            NO_SECURITY,LOW_LEVEL_SECURITY

ACSE and xDLMS features:       GET,SERVICE_SPECIFIC_BLOCK_TRANSFER,SET

Security features:              (not collected)

Logical device(s) found:
                                SAP = 1 is "4155585333344D442020202020202020" (AUXS34MD
)

COSEM classes tested:           1,3,15(1),17

COSEM classes found but not tested: (none)
```