

Certification No. 2213

This is to certify that the metering equipment identified as:

Type: DTSD178_v4 **Id=**4150502D3331303230333035666630303230383732303137313131340000
Mgmt. SAP = 1 is "57534433503457" (WSD3P4W)
Manufactured by: Yantai Dongfang Wisdom Electric Co., Ltd.

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

- CTT version: CTT 3.1 extended edition, 64bits, release 107
- Licensed to: 20150911_Yantai_Dongfang_Wisdom_Electric_Co_CHINA (2015/9/11)
- 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, LONG_NAMES_ WITH_CIPHERING	SERVICE_SPECIFIC_GLO_ CIPHERING, SUITE_0, KEY_TRANSFER	20-SEP- 2019 14:20:00	817D477B4E2746E9DC5CA221E2A1FF094 C7A61F084EE6CC699D0F3FF3FD192BD

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.



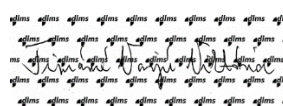
The test reports are filed by the DLMS UA. Copies are available from the manufacturer.

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 9th October 2019



Gyöző Kmethy
President



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 = "\Yantai Dongfang Wisdom Electric Co., Ltd."  
  FLAGid = "\WSD"  
  Type = "\DTSD178_v4"  
  SerialNr = "1111"  
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	4	0	32	0
APPL	72	0	19	0	53	0
COSEM	1776	0	13	125	1638	0
SYMSEC	33	0	9	0	24	0
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, LONG_NAMES_WITH_CIPHERING  
Authentication mechanisms:     NO_SECURITY, LOW_LEVEL_SECURITY  
                                HIGH_LEVEL_SECURITY_GMAC  
ACSE and xDLMS features:      ACTION, GET, SERVICE_SPECIFIC_BLOCK_TRANSFER  
                                SET  
Security features:             SERVICE_SPECIFIC_GLO_CIPHERING, SUITE_0  
                                KEY_TRANSFER  
Data protection features:      (not collected)  
Logical device(s) found:       SAP = 1 is "57534433503457" (WSD3P4W)  
Active firmware(s):  
Id=4150502D3331303230333035666630303230383732303137313131340000  
COSEM classes tested:          1, 3, 7(1), 8, 15(3), 18, 20, 64  
COSEM classes found but not tested: (none)
```