

Certification No. 1834

This is to certify that the metering equipment identified as:

Type: DTZ178-G

Mgmt. Logical Device Name: SAP = 1 is "57534444545A3137382D47" (WSDDTZ178-G)

Manufactured by: Yantai Dongfang Wisdom Electric Co., Ltd.

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

- CTT version: CTT 3.0 standard edition, 64bits (102)
- Licensed to: 20150911_Yantai_Dongfang_Wisdom_Electric_Co_CHINA (2015/9/11)
- COSEM object definitions file version: Object_defs_v2.9_released_GKVV141201.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	—	14-JUN-2017 10:46:57	3D5ABAEDB3B18D2D68F96E967EE73205948 173136680D39313EB8B01345FBE30
Test 2	TCP	LONG_NAMES	—	14-JUN-2017 11:23:49	4136E2854B485057F3E62E5829B436A0BB5B B8141AE078378DAC5B5F6CC40192
Test 3	HDLC, MODE_E	LONG_NAMES	—	14-JUN-2017 10:14:29	71EBE773D5ABD1D8A87900049F63F2061322 97FD6BB9969908A793ABE57F2B90

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 20th June 2017



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 = "\Yantai Dongfang Wisdom Electric Co., Ltd."  
  FLAGid = "\WSD"  
  Type = "\DTZ178-G"  
  IUTIsModule = FALSE  
  SerialNr = "1111"  
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED	
----	-----	-----	-----	-----	-----	-----	
HDLC	36	0	4	0	32	0	
APPL	37	0	10	0	27	0	
COSEM	147	0	1	0	146	0	
SYMSEC		All (No association with a ciphered context)					

Communication profile: HDLC

Application context names: LONG_NAMES

Security mechanisms: NO_SECURITY

ACSE and xDLMS features: GET, SERVICE_SPECIFIC_BLOCK_TRANSFER, SET

Security features: (not collected)

Logical device(s) found: SAP = 1 is "57534444545A3137382D47" (WSDDTZ178-G)

COSEM classes tested: 1, 3, 4, 8, 9, 15 (1), 17, 21, 23 (1), 70

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 = "\Yantai Dongfang Wisdom Electric Co., Ltd."
  FLAGid = "\WSD"
  Type = "\DTZ178-G"
  IUTisModule = FALSE
  SerialNr = "1111"
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC		All(Communication profile not HDLC)				
APPL	37	0	10	0	27	0
COSEM	147	0	1	0	146	0
SYMSEC		All (No association with a ciphered context)				

```
Communication profile:          TCP
Application context names:      LONG_NAMES
Security mechanisms:            NO_SECURITY
ACSE and xDLMS features:       GET,SERVICE_SPECIFIC_BLOCK_TRANSFER,SET
Security features:              (not collected)
Logical device(s) found:        SAP = 1 is "57534444545A3137382D47" (WSDDTZ178-G)
COSEM classes tested:           1,3,4,8,9,15(1),17,21,23(1),70
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 = "\Yantai Dongfang Wisdom Electric Co., Ltd."  
  FLAGid = "\WSD"  
  Type = "\DTZ178-G"  
  IUTIsModule = FALSE  
  SerialNr = "1111"  
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC		All (MODE_E)				
APPL	37	0	10	0	27	0
COSEM	147	0	1	0	146	0
SYMSEC		All (No association with a ciphered context)				

```
Communication profile:          HDLC  
Application context names:     LONG_NAMES  
Security mechanisms:           NO_SECURITY  
ACSE and xDLMS features:      GET, SERVICE_SPECIFIC_BLOCK_TRANSFER, SET  
Security features:             (not collected)  
Logical device(s) found:      SAP = 1 is "57534444545A3137382D47" (WSDDTZ178-G)  
COSEM classes tested:         1, 3, 4, 8, 9, 15 (1), 17, 21, 23 (1), 70  
COSEM classes found but not tested: (none)
```