

Certification No. 2152

This is to certify that the metering equipment identified as:

Type: HXE110(V3) Active firmware(s): Id=FP60573V07R006M001
Mgmt. SAP = 1 is "48584530303130373030303030303231" (HXE0010700000021)
Manufactured by: Hexing Electrical 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: 20160314_HEXING_Electrical_Co_Ltd_CHI (2016/3/14)
- 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 _DED_CIPHERING, SERVICE_SPECIFIC _GLO_CIPHERING, SUITE_0	19-JUL-2019 16:16:33	6C379858DD502018BE1CD320D7FD8EFDC 8E226B96FF7175BFA9ACD87800FC3C6

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 22nd July 2019

[Signature]

Gyöző Kmethy
President

[Signature]

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 = "\Hexing Electrical Co.,Ltd."  
  FLAGid = "\HXE"  
  Type = "\HXE110 (V3)"  
  IUTIsModule = FALSE  
  SerialNr = "\00000021"  
  Comment = "\Client:Public,Meter Reader"  
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	3	0	33	0
APPL	54	0	18	0	36	0
COSEM	604	0	3	22	579	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, LONG_NAMES_WITH_CIPHERING  
  
Authentication mechanisms:    NO_SECURITY, LOW_LEVEL_SECURITY  
  
ACSE and xDLMS features:     GET, SERVICE_SPECIFIC_BLOCK_TRANSFER  
  
Security features:           SERVICE_SPECIFIC_DED_CIPHERING  
                             SERVICE_SPECIFIC_GLO_CIPHERING, SUITE_0  
  
Data protection features:     (not collected)  
  
Logical device(s) found:     SAP = 1 is "48584530303130373030303030303231"  
                             (HXE0010700000021)  
  
Active firmware(s):         Id=FP60573V07R006M001  
  
COSEM classes tested:       1, 3, 4, 8, 9, 15 (1), 18, 20, 22, 23 (1), 40, 41, 45, 48  
                             64, 70, 71  
  
COSEM classes found but not tested: (none)
```