

Certification No. 2388

This is to certify that the metering equipment identified as:

Type: HXE110(5-30A) Active firmware(s): Id=FP60573V07R006M008
Mgmt. SAP = 1 is "48584530303630373030303030303031" (HXE0060700000001)
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 | 01-JUL-2020 15:06:16 | 333DA4DDEE4B38F91773256 D68D53ABF2F22503C5FA275 12C882206957F887EB |

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 3rd July 2020



Sergio Lazzarotto
Executive Director and President



Gyöző Kmethy
President Emeritus



Viktória Varjú
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(5-30A)"  
  IUTIsModule = FALSE  
  SerialNr = "\HX0000001"  
  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 | 810 | 0 | 4 | 54 | 752 | 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, SELECTIVE_ACCESS  
                                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 "485845303036303730303030303031"  
(HXE0060700000001)  
  
Active firmware(s):           Id=FP60573V07R006M008  
  
COSEM classes tested:          1, 3, 4, 7(1), 8, 9, 15(1), 18, 20, 22, 23(1), 40, 41  
                                45, 48, 64, 70, 71  
  
COSEM classes found but not tested: (none)
```