

## Certification No. 1930

This is to certify that the metering equipment identified as:

**Type: HXE110 (V2)**

**Mgmt. Logical Device Name: SAP = 1 is "485845303031303730303030303031" (HXE0010700000001)**

**Manufactured by: HEXING**

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

- CTT version: CTT 3.0 extended edition, 64bits (108)
- Licensed to: 20160314\_HEXING\_Electrical\_Co\_Ltd\_CHI (2016/3/14)
- COSEM object definitions file version: Object\_defs\_v3.0\_Released\_170127.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	LONG_NAMES, LONG_NAMES_ WITH_ CIPHERING	ACTIVATE_SECURITY_POLICY GENERAL_DED_CIPHERING, GENERAL_GLO_CIPHERING KEY_TRANSFER	20-MAR- 2018 14:55:24	67BD4CBBED378B3F214E2C4FC26 10C80D7578E2B36CC4C0C64D0E9 B1DDB683D5

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 21<sup>st</sup> March 2018



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 = "\Hexing Electrical Co., Ltd."  
  FLAGid = "\HXE"  
  Type = "\HXE110 (V2)"  
  IUTIsModule = FALSE  
  SerialNr = "\00000001"  
  Comment = "\Application Context: LONG_NAMES_WHTH_CIPHERING, Authentication mechanism  
  GMAC with dedicated key true"  
  Comment = "\Client:Public,Management,reading for Optical"  
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
HDLC	36	0	1	0	35	0
APPL	66	0	11	0	55	0
COSEM	1741	0	8	90	1643	0
SYMSEC	97	0	12	0	85	0

```
Communication profile: HDLC  
Application context names: LONG_NAMES, LONG_NAMES_WITH_CIPHERING  
Security mechanisms: NO_SECURITY, HIGH_LEVEL_SECURITY_GMAC  
ACSE and xDLMS features: ACTION, GENERAL_BLOCK_TRANSFER, GET  
MULTIPLE_REFERENCES, RLRQ_RLRE  
SELECTIVE_ACCESS  
SERVICE_SPECIFIC_BLOCK_TRANSFER, SET  
Security features: ACTIVATE_SECURITY_POLICY  
GENERAL_DED_CIPHERING, GENERAL_GLO_CIPHERING  
KEY_TRANSFER  
Logical device(s) found: SAP = 1 is "48584530303130373030303030303031"  
(HXE0010700000001)  
COSEM classes tested: 1, 3, 4, 5, 6, 7(1), 8, 9, 11, 15(1), 17, 18, 19(1), 20  
21, 22, 23(1), 27(1), 28(2), 29(2), 40, 41, 42, 43  
44, 45, 64, 70, 71, 72, 74  
COSEM classes found but not tested: (none)
```