

## Certification No. 2514

This is to certify that the metering equipment identified as:

**Type: HXE310(HFP2.0) Active firmware(s): Id=310\_V30 S=8005BAA6**

**Id=FP60093V07R104M003 S=3CC0B5AD,S=E4875864, S=6F12FBFA, S=5A1B6DDD, S=E8049922**

**Id=AMI2.0PLUS-0x3301-L003(21010622)**

**Id=AMI2.0PLUS-0x3301-N003(20122211)**

**Id=AMI2.0PLUS-0x3301-U003(21010622)**

**Id=AMI2.0PLUS-0x3301-P003(21010622)**

**Mgmt. SAP = 1 is "48584533313020203030303030303031" (HXE310 00000001)**

**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	GENERAL_GLO_ CIPHERING SERVICE_SPECIFIC_ GLO_CIPHERING, SUITE_0	08-JAN-2021 11:30:45	05098157158A8C2CC13A3AC7F20668230D 7D9D4264E3E96DD839C825D7FC01C5

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.



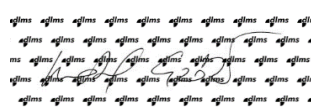
The test reports are filed by the DLMS UA. Copies are available from the manufacturer.

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: Sursee, the 8<sup>th</sup> January, 2021



*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 = "\HXE310(HFP2.0)"  
  IUTIsModule = FALSE  
  SerialNr = "000000000001"  
  Comment = "\Client:Public, Management for RS485"  
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	4	0	32	0
APPL	55	0	17	0	38	0
COSEM	4205	0	8	74	4123	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, HIGH_LEVEL_SECURITY_GMAC  
  
ACSE and xDLMS features:      ACTION, GET, RLRQ_RLRE  
                                SERVICE_SPECIFIC_BLOCK_TRANSFER, SET  
  
Security features:             GENERAL_GLO_CIPHERING  
                                SERVICE_SPECIFIC_GLO_CIPHERING, SUITE_0  
  
Data protection features:      (not collected)  
  
Logical device(s) found:      SAP = 1 is "48584533313020203030303030303031" (HXE310  
00000001)  
  
Active firmware(s):           Id=310_V30 S=8005BAA6  
                                Id=FP60093V07R104M003 S=3CC0B5AD, S=E4875864  
                                S=6F12FBFA, S=5A1B6DDD, S=E8049922  
                                Id=AMI2.0PLUS-0x3301-L003 (21010622)  
                                Id=AMI2.0PLUS-0x3301-N003 (20122211)  
                                Id=AMI2.0PLUS-0x3301-U003 (21010622)  
                                Id=AMI2.0PLUS-0x3301-P003 (21010622)  
  
COSEM classes tested:         1, 3, 4, 5, 7 (1), 8, 9, 11, 15 (3), 17, 18, 19 (1), 20, 22  
                                23 (1), 27 (1), 28 (2), 29 (2), 40, 41, 42, 43, 44, 45  
                                64, 70, 71  
  
COSEM classes found but not tested: (none)
```