dlms

device
language ™
message
specification

DLMS User Association

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Certification No. 2389

This is to certify that the metering equipment identified as:

Type: HXE110(5-60A)   Active firmware(s): Id=FP60573V07R006M008
Mgmt. SAP = 1 is "4858453030363037303030303030333031" (HXE0060700000301)
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	03-JUL-2020 17:30:26	27EFC5410136A13FACE79BA 202C7D66AC41A0AA301AC4 3B47EE244968EA83851

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.

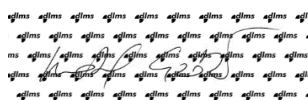**dlms**
COSEM
Compliant

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 6th July 2020

Sergio Lazzarotto   *Győző Kmethy*   *Viktória Varjú*
Executive Director and President   *President Emeritus*   *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(5-60A)"
  IUTIsModule = FALSE
  SerialNr = "\HX0000301"
  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 "4858453030363037303030303030333031"
(HXE0060700000301)

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)
```

The DLMS UA is a not for profit Association in conformance with Art. 60ff of the Swiss Civil Code.
Commercial registration number CHE-440.972.101

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