device
language
message
specification

DLMS User Association

Bahnhofstrasse 28
CH-6302 Zug
Switzerland

Tel. +36 28 514 065
dlms@dlms.com

Certification No. 2145

This is to certify that the metering equipment identified as:
Type: HXE330(V3) Id=FP60090V07R006M001
Mgmt. SAP = 1 is "48584530303330373538343731353331" (HXE0030758471531)
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-2019 10:19:51	E227A5983807D72950FC142C80FDCC777E 47F1FFD16592519FAB8BBE0B6B287C

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.

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 3rd July 2019

Győző Kmethy
President

Viktória Varjú Timárné
Certification Engineer

Certification No. 2145

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 = "\HXE330(V3)"
  IUTIsModule = FALSE
  SerialNr = "\14358471531"
  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  784     0         4              56             724       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 "48584530303330373538343731353331"
(HXE0030758471531)

Active firmware(s):                  Id=FP60090V07R006M001

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)
```