

Certification No. 2086

This is to certify that the metering equipment identified as:

Type: AJ102C Active firmware Id=V0002-V12000906_1251f5f6-V0000-8 V=V0002-V12000906_1251f5f6-V0000-8
Mgmt. SAP = 1 is "4B464D303132393139303030303031" (KFM0129190000001)
Manufactured by: ShenZhen Kaifa Technology(Chengdu)Co.,Ltd.

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

- CTT version: CTT 3.1 standard edition, 64bits, release 107
- Licensed to: 20170421_Shenzhen_Kaifa_Technology_Chengdu_Co_Ltd_Shenzen_CHINA (2017/4/21)
- 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	TCP	LONG_NAMES, LONG_NAMES_WITH_ CIPHERING	GENERAL_CIPHERING_WITH _IDENTIFIED_KEY GENERAL_GLO_CIPHERING, GENERAL_SIGNING_SUITE_1, SECURITY_ACTIVATE, KEY_TRANSFER	28-FEB- 2019 15:09:45	AE480B43A7B98611C90C7E 24024260D668F5D0A580800 610D8E8A30DEB11EA16

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 28th February 2019



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 = "\ShenZhen Kaifa Technology (Chengdu) Co., Ltd."  
  FLAGid = "\KFM"  
  Type = "\AJ102C"  
  IUTIsModule = FALSE  
  SerialNr = "\129190000001"  
  Comment = "\FOR CUSK DCU DLMS TEST"  
  Comment = "\NO"  
}
```

* Summary *

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC		All (Communication profile not HDLC)				
APPL	66	0	8	0	58	0
COSEM	1527	0	3	227	1297	0
SYMSEC		All (No ciphered association with the required properties)				
PUBSEC	50	0	6	0	44	0
DP	0	0	0	0	0	0
GBT	25	0	3	0	22	0

Communication profile: TCP

Application context names: LONG_NAMES, LONG_NAMES_WITH_CIPHERING

Authentication mechanisms: NO_SECURITY, HIGH_LEVEL_SECURITY_ECDSA

ACSE and xDLMS features: ACCESS, GENERAL_BLOCK_TRANSFER, GBT_STREAMING
GET, RLRQ_RLRE, SET

Security features: GENERAL_CIPHERING_WITH_IDENTIFIED_KEY
GENERAL_GLO_CIPHERING, GENERAL_SIGNING
SUITE_1, SECURITY_ACTIVATE, KEY_TRANSFER

Data protection features: (not collected)

Logical device(s) found: SAP = 1 is "4B464D30313239313930303030303031"
(KFM0129190000001)

Active firmware(s): Id=V0002-V12000906_1251f5f6-V0000-8 V=V0002-
V12000906_1251f5f6-V0000-8

COSEM classes tested: 1, 3, 7 (1), 8, 9, 10, 15 (3), 17, 18, 23 (1), 27 (1), 28
29 (1), 40, 41, 42, 43, 44, 45, 50 (1), 56, 64 (1)

COSEM classes found but not tested: (none)