

DLMS User Association

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Certification No. 2106

This is to certify that the metering equipment identified as:

Type: MA309MH4LAT Active firmware(s): Id=20000901 Id=21003304 Id=09600503

Mgmt. SAP = 1 is "4B464D31313030313030303030303134" (KFM1100100000014) 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

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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_CIPHERING_WITH_ IDENTIFIED_KEY GENERAL_GLO_CIPHERING, GENERAL_SIGNING SUITE_1, SECURITY_ACTIVATE, KEY_TRANSFER	24-APR-2019 16:01:50	78A73D94613707ABB694BD 884CC83EA0EF1E18C158AF B7F1185172B3C8DE3562

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 7th May 2019

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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 = "\MA309MH4LAT" IUTIsModule = FALSE SerialNr = "\010000014" Comment = "\FOR CETUS02 METER DLMS TEST" Comment = "\NO" ****** * Summary * TYPE TOTAL SKIPPED INAPPLICABLE INCONCLUSIVE PASSED FAILED ---------_____ ----------_____ HDLC 36 3 33 0 1 *c* 10 17 APPL 82 0 72 Ω 2733 0 COSEM 2919 169 SYMSEC All (No ciphered association with the required properties) 0 12 0 0 PUBSEC 70 0 58 0 DP 0 0 Ω 25 0 2 5 18 0 GBT Communication profile: HDLC LONG NAMES, LONG NAMES WITH CIPHERING Application context names: Authentication mechanisms: NO SECURITY, HIGH LEVEL SECURITY SHA256 HIGH LEVEL SECURITY ECDSA ACSE and xDLMS features: ACCESS, GENERAL BLOCK TRANSFER, GBT STREAMING GET, MULTIPLE REFERENCES, RLRQ RLRE SELECTIVE ACCESS, 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 "4B464D31313030313030303030303134" (KFM1100100000014) Active firmware(s): Id=09600503 S=1D3F2F9145727AA2E55BF6C4C5EAA1C2F13775 F4BD6EA896CFD661534E9104FFBFC5061B0B707F5279592BE91FF80DC9161C37E2C5A7E326F205A7D84EBE53F4 1,3,4,5,6,7(1),8,9,11,15(3),17,18,20,21,22 COSEM classes tested: 23(1),29(2),40,41,43,48,64(1),70,72(1),74 90(1),91(1),92(1) COSEM classes found but not tested: (none)