

Certification No. 1975

This is to certify that the metering equipment identified as:

Type: JAM3000CTPT(FID2)

Mgmt. Logical Device Name: SAP = 1 is "4514130303530353131303034363930" (EAA0050511004690)

Manufactured by: Electronic Afzar Azma

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

- CTT version: CTT 3.0 standard edition, 64bits (109)
- Licensed to: Electronic_Afzar_Azma (2/23/2016)
- COSEM object definitions file version: Object_defs_v3.2_released_180306.dat
- Media identifier(s): Abstract, Electricity

Tests	Comm. profile & opening mode	Application contexts	Security features	Date and time	Test Result hash value
Test 1 optical	HDLC, DIRECT_HDLC	LONG_NAMES	—	10-MAY-2018 12:16:19	406DFD9D1E2326AABFF5B126268154C544 DA50B3A97AF3A6ADA458850D68BA20
Test 2 optical		LONG_NAMES, LONG_NAMES_ WITH_CIPHERING	ACTIVATE_SECURITY_POLICY GENERAL_GLO_CIPHERING KEY_TRANSFER	10-MAY-2018 16:06:02	BD1E619017A4B5C33859F613548BA205736 231C35E251A9ED4A799A3E1371BDA
Test 3 optical			ACTIVATE_SECURITY_POLICY GENERAL_DED_CIPHERING GENERAL_GLO_CIPHERING KEY_TRANSFER	10-MAY-2018 13:49:58	B06549C7067BB9D09B18A220AD2DA8983E 58489427BBB6FFF4D0713BBA95A55D
Test 4 optical			ACTIVATE_SECURITY_POLICY GENERAL_GLO_CIPHERING KEY_TRANSFER	10-MAY-2018 17:32:07	B2FC35C78E6DBCE1695D5055088C71260C1 6721CF7FB5B31ADFF1D50D9396D8D
Test 5 optical			ACTIVATE_SECURITY_POLICY GENERAL_DED_CIPHERING GENERAL_GLO_CIPHERING KEY_TRANSFER	10-MAY-2018 22:35:06	092CC4730C621AFC453B4F5B29FD30D9B97 9DAEA238BF74734396CEE7841152E
Test 6 optical			ACTIVATE_SECURITY_POLICY GENERAL_GLO_CIPHERING KEY_TRANSFER	10-MAY-2018 19:38:16	0F3616BAD2AA05398DEC7B61D3C5063525 906A1D729D9B4784CC3166A651919A
Test 7 optical			ACTIVATE_SECURITY_POLICY GENERAL_DED_CIPHERING GENERAL_GLO_CIPHERING KEY_TRANSFER	10-MAY-2018 20:17:49	09D341279C559DD7CC0E6F78D41EAC0D5A 410FD8DC81352F2F93D71280B1EB16
Test 8 optical	HDLC, MODE_E	ACTIVATE_SECURITY_POLICY GENERAL_GLO_CIPHERING KEY_TRANSFER	10-MAY-2018 23:29:44	F0014321A0F6499A6A2BAF192332E37AF46 ED85A19F05A7A9115359BF0CED4BD	
Test 9 optical		ACTIVATE_SECURITY_POLICY GENERAL_DED_CIPHERING GENERAL_GLO_CIPHERING KEY_TRANSFER	11-MAY-2018 00:07:09	7C8E37E72D5F21C811B6100DF883B0B1F70 FC7C48E0E69FA7A5452FB30B4F48E	
Test 10 RS485	HDLC, DIRECT_HDLC	ACTIVATE_SECURITY_POLICY GENERAL_GLO_CIPHERING KEY_TRANSFER	11-MAY-2018 09:14:02	AB0C466DE16C238984FB50317645361C8A5 8A6EA02C18B2F66291E58D304DE06	
Test 11 RS485		ACTIVATE_SECURITY_POLICY GENERAL_DED_CIPHERING GENERAL_GLO_CIPHERING KEY_TRANSFER	11-MAY-2018 08:34:34	8878BD19B996C9F346EC0A975AE7F792D7B 6455972EC364A3333567FDC398D1C	

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Test 12 TCP	TCP		ACTIVATE_SECURITY_POLICY GENERAL_GLO_CIPHERING KEY_TRANSFER	20-MAY-2018 05:43:32	547B24FC0AE5E1F91D11BDAF53F5D897CD E1827068E36EABB9DDD242FF5755F7
Test 13 TCP			ACTIVATE_SECURITY_POLICY GENERAL_DED_CIPHERING GENERAL_GLO_CIPHERING KEY_TRANSFER	19-MAY-2018 15:48:36	1C267805F2A1C5155E279E1D4CA3A6A65B 93DAA684EDA787BA4C349C644C6234
Test 14 TCP			GENERAL_DED_CIPHERING GENERAL_GLO_CIPHERING KEY_TRANSFER	04-JUN-2018 17:05:22	44F446DFA2F2CCEAE116813C355A278B27 166A19F04C2CEF85D5E826D727DE5
Test 15 RS485	HDLC, DIRECT_HDLC		GENERAL_DED_CIPHERING GENERAL_GLO_CIPHERING	07-JUN-2018 11:10:46	759C5BD0D173B8D14275FDE5F34C02A5FC E001F01E70F834C105D070DD7CCA1B
Test 16 optical			GENERAL_DED_CIPHERING GENERAL_GLO_CIPHERING	07-JUN-2018 10:47:05	1E1B672819831B8FE20133BF7ACE40B65E6 3B9B3E6ADC6189295B48EC38BC9BF

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 13th June 2018

A handwritten signature in black ink, appearing to read 'Gyöző Kmethy'.

Gyöző Kmethy
President