

Certification No. 2347

This is to certify that the metering equipment identified as:

Type: ST310FV_V031007 Active firmware(s): Id=V031007 S=40CB145D
Mgmt. SAP = 1 is "4D414331303330363030343039343339" (MAC1030600409439)
Manufactured by: METER & CONTROL DOO

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

- CTT version: CTT 3.1 standard edition, 64bits, release 107
- Licensed to: 20190830_METER&CONTROL_DOO_SERBIA (30.8.2019.)
- COSEM object definitions file version: Object_defs_v3.6_Released_2_20200102.dat
- Media identifier(s): Abstract, Electricity

Tests	Comm. profile & opening mode	Application contexts	Security features	Date and time	Test Result hash value
Test 1	HDLCD, DIRECT_HDLCD	LONG_NAMES, LONG_NAMES_ WITH_ CIPHERING	SERVICE_SPECIFIC_DED_ CIPHERING SERVICE_SPECIFIC_GLO_ CIPHERING, SUITE_0 SECURITY_ACTIVATE, KEY_TRANSFER	18-MAY-2020 11:08:17	2ED3978B04F4513F3F76789BF 542BFAC1A02EAD8ED169D6D 0DCA3713DC608A25

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.

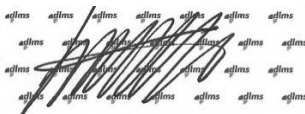
With this, the manufacturer is entitled to display the DLMS/COSEM Compliant mark – shown below – on its product duly identified and on its product literature.



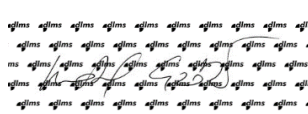
The test reports are filed by the DLMS UA. Copies are available from the manufacturer.

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 21st May 2020



Sergio Lazzarotto
Executive Director and President



Gyöző Kmethy
President Emeritus



Viktória Varjú
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 = "\METER & CONTROL DOO"  
  FLAGid = "\MAC"  
  Type = "\ST310FV_V031007"  
  SerialNr = "00409439"  
}
```

```
*****  
* Summary *  
*****
```

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	4	0	32	0
APPL	88	0	20	0	68	0
COSEM	4329	0	0	33	4296	0
SYMSEC	64	0	10	0	54	0
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
HIGH_LEVEL_SECURITY_GMAC

ACSE and xDLMS features: ACTION, GET, MULTIPLE_REFERENCES, RLRQ_RLRE
SELECTIVE_ACCESS
SERVICE_SPECIFIC_BLOCK_TRANSFER, SET

Security features: SERVICE_SPECIFIC_DED_CIPHERING
SERVICE_SPECIFIC_GLO_CIPHERING, SUITE_0
SECURITY_ACTIVATE, KEY_TRANSFER

Data protection features: (not collected)

Logical device(s) found: SAP = 1 is "4D414331303330363030343039343339"
(MAC1030600409439)

Active firmware(s): Id=V031007 S=40CB145D

COSEM classes tested: 1, 3, 4, 5, 6, 7 (1), 8, 9, 11, 15 (1), 17, 18, 20, 22
23 (1), 64, 70

COSEM classes found but not tested: (none)