

Certification No. 2534	Applicant: METER & CONTROL DOO Issued to: METER & CONTROL DOO
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On the request of the applicant the DLMS UA certifies hereby that the product identified below has successfully passed the DLMS/COSEM Conformance tests under the following conditions:

Product	Type	SM401D_V010326_V040211			
	Active firmware ID	Id=V010326 S=59B56B7E,Id=V040211 S=1E494D6F Id=V000011 S=DCA597C1			
	Management LDN (SAP = 1)	" 4D414331303230373030313934313730" (MAC1020700194170)			
	Manufacturer	METER & CONTROL DOO			
Test tool	CTT version	CTT 3.1 standard edition, release 108, update 3			
	Licensed to	20190830_METER&CONTROL_DOO_SERBIA (30.8.2019.)			
	COSEM object definitions	Object_defs_v3.6_Released_20200825.dat			
	Media Identifiers	Abstract, Electricity			
Test	Communication profile	Application contexts	Security features	Date and time	Test Result hash value
1	DIRECT_HDLC	LONG_NAMES, LONG_NAMES_ WITH_CIPHERING	SERVICE_SPECIFIC_DED_CIPHERING SERVICE_SPECIFIC_GLO_CIPHERING, SUITE_0 SECURITY_ACTIVATE, KEY_TRANSFER	13-APR-2021 12:48:27	BB86A8B57140AC101EC4A153DB C5A759890ABC40E594383110D2 375742FCA4B8
The test reports are filed by the DLMS UA. Copies are available from the manufacturer.					

The authenticity and correctness of the test report(s) submitted have been verified by the DLMS UA. With this, the applicant / manufacturer is entitled to claim that its product is compliant to the DLMS/COSEM specification and is entitled to display the DLMS/COSEM Compliant mark on the product and in its product literature. The product identified above is listed at: <https://www.dlms.com>.



This Certification is valid for the functions successfully tested and summarized below. The tests have been executed on one specimen of the product, as identified by the Management LDN reported. Results may not be applicable for other test specimens.

Date: Sursee, the 13th April 2021



Sergio Lazzarotto
Executive Director and President



Viktória Varjú
Certification Engineer

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 = "\SM401D_V010326_V040211"
  SerialNr = "00194170"
  Applicant = "\METER & CONTROL DOO"
}
```

* Summary *

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
HDLC	34	0	1	0	33	0
APPL	177	0	33	0	144	0
SecMsg	25	0	7	0	18	0
COSEM	14665	0	56	64	14545	0
SymKey	34	0	9	0	25	0
DP	0	0	0	0	0	0
GBT		All (No association with the required properties)				
PubCert		All (No ciphered association with the required properties)				
SecPol	15	0	6	0	9	0

```
Communication profile:          HDLC

Application context names:     LONG_NAMES, LONG_NAMES_WITH_CIPHERING

Authentication mechanisms:     NO_SECURITY, LOW_LEVEL_SECURITY
                                HIGH_LEVEL_SECURITY_SHA1
                                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 "4D414331303230373030313934313730" (MAC1020700194170)

Active firmware(s):           Id=V010326 S=59B56B7E, Id=V040211 S=1E494D6F
                                Id=V000011 S=DCA597C1

COSEM classes tested:          1, 3, 4, 5, 6, 7(1), 8, 9, 11, 15(1), 17, 18, 20, 21, 22
                                23(1), 29(2), 40, 41, 43, 48, 64, 70, 71, 72, 74
                                90(1), 91(1), 92(1)

COSEM classes found but not tested: (none)
```