

Certification No. 2323

This is to certify that the metering equipment identified as:

Type: AM122 Active firmware(s): Id=563033413034002E3034 S=F129
Id=AM12207.03.01.52 S=DFB3,Id=LE910C1-EU
25.20.223 S=3412

Mgmt. SAP = 1 is "454C5331303330333035383133333430" (ELS1030305813340)

Manufactured by: Elster Solutions GmbH

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

- CTT version: CTT 3.1 standard edition, 64bits, release 107
- Licensed to: 20160902_Elster_Solution_GmbH (02.09.2016)
- 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_GLO_CIPHERING, SERVICE_SPECIFIC_GLO_ CIPHERING, SUITE_0 SECURITY_ACTIVATE, KEY_TRANSFER	13-FEB-2020 09:37:19	81C7B0202DB1A11A32DC75 FBBA0208063F9EBC7EDD67 32B5A3F09FB3CD1B0997

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.



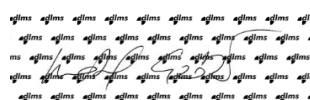
The test reports are filed by the DLMS UA. Copies are available from the manufacturer.

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 2nd April 2020



Sergio Lazzarotto
Executive Director and President



Győző 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 = "\Elster Solutions GmbH"  
  FLAGid = "\ELS"  
  Type = "\AM122"  
  IUTIsModule = FALSE  
  SerialNr = "\05813340"  
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC		All (Communication profile not HDLC)				
APPL	55	0	16	0	39	0
COSEM	995	0	6	18	971	0
SYMSEC	39	0	9	0	30	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: TCP

Application context names: LONG_NAMES, LONG_NAMES_WITH_CIPHERING

Authentication mechanisms: NO_SECURITY, HIGH_LEVEL_SECURITY_GMAC

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

Security features: GENERAL_GLO_CIPHERING
SERVICE_SPECIFIC_GLO_CIPHERING, SUITE_0
SECURITY_ACTIVATE, KEY_TRANSFER

Data protection features: (not collected)

Logical device(s) found: SAP = 1 is "454C5331303330333035383133333430"
(ELS1030305813340)

Active firmware(s): Id=563033413034002E3034 S=F129
Id=AM12207.03.01.52 S=DFB3, Id=LE910C1-EU
25.20.223 S=3412

COSEM classes tested: 1, 3, 4, 5, 6, 7 (1), 8, 9, 11, 15 (1), 17, 18, 20, 21, 22
23 (1), 28, 29 (2), 40, 41, 42, 44, 45, 64, 70, 71

COSEM classes found but not tested: (none)