

## Certification No. 2285

This is to certify that the metering equipment identified as:

**Type: HS3300SH4LAT1 Active firmware(s): Id=00200901  
Id=11204208  
Id=09621400**

**Mgmt. SAP = 1 is "454C5331323030323038303030313433" (ELS1200208000143)**

**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	HDLC, DIRECT_HLC	LONG_NAMES, LONG_NAMES_ WITH_ CIPHERING	GENERAL_CIPHERING_WITH_ IDENTIFIED_KEY GENERAL_GLO_CIPHERING, SUITE_0 SECURITY_ACTIVATE, KEY_TRANSFER	25-OCT-2019 16:32:21	89A7ABD222F584EFD07582 F834A9A2D9EB36C8BDE2F 867316E5E2C0BE59277DF

This HS3300SH4LAT1 meter device type has already been certified as Certification No. 2029 tested with CTT.3.1 release 106 at 30<sup>th</sup> October 2018.

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](http://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.



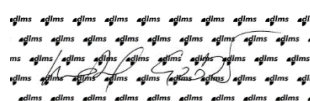
The test reports are filed by the DLMS UA. Copies are available from the manufacturer.

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 13<sup>th</sup> February 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 = "\HS3300SH4LAT1"  
  IUTIsModule = FALSE  
  SerialNr = "\1ELS0208000130"  
}
```

\*\*\*\*\*  
\* Summary \*  
\*\*\*\*\*

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	3	0	33	0
APPL	66	0	9	0	57	0
COSEM	1609	0	9	65	1535	0
SYMSEC		All (No ciphered association with the required properties)				
PUBSEC	48	0	10	0	38	0
DP	0	0	0	0	0	0
GBT	25	0	2	5	18	0

Communication profile: HDLC

Application context names: LONG\_NAMES, LONG\_NAMES\_WITH\_CIPHERING

Authentication mechanisms: NO\_SECURITY, HIGH\_LEVEL\_SECURITY\_SHA256

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, SUITE\_1  
SECURITY\_ACTIVATE, KEY\_TRANSFER

Data protection features: (not collected)

Logical device(s) found: SAP = 1 is "454C5331323030323038303030313433"  
(ELS1200208000143)

Active firmware(s): Id=10200901  
S=71044A6353820CA8E7D4942BC1119F1B0496D8FC729A372BD6171FB3E7AA5E1B7E0A023E217DB30B941329E4C05CF1  
046A150E7690A4548B5B86A8AC6C49706B

Id=11204208  
S=19150292B1E091D9D7CD0F9640A738B27E5F688D134ED3BAC5C8BD4DB0E121FA660724020DBBF237614BF3B0E2499C  
8D627BAEC8A640D2A4A94F0C0B4B787A0E

Id=09621400  
S=87CF062B829374949ACBC0DFEC8905210E9657D424088A6C90E886A67D86BEED9FE748BF6F0BD4239B12B6BC33C23D  
66B8D2E27FBB53A372C30A3DC7DE5805B7

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

COSEM classes found but not tested: (none)