

Certification No. 2150

This is to certify that the metering equipment identified as:

Type: DDSY283SR-H13 Active firmware(s): Id=02 V=V17.10

Mgmt. SAP = 1 is "484C5930303130333230313930373034" (HLY0010320190704)

Manufactured by: Holley Technology LTD

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

- CTT version: CTT 3.1 extended edition, 64bits, release 107
- Licensed to: 20180824_Holley_Technology_China (2018/8/24)
- 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_HDLC	LONG_NAMES, LONG_NAMES_ WITH_CIPHERING	SERVICE_SPECIFIC_ GLO_CIPHERING SUITE_0 SECURITY_ACTIVATE KEY_TRANSFER	04-JUL-2019 17:01:12	AD04B5E0E087D8ED313C870C201202A3E 693FE892DC8109261AC2B63F5AD9BBE
Test 2	HDLC, MODE_E			04-JUL-2019 16:34:49	D1864E97F302EDCD86EE2C8D82283E01B 5F4A063F5B02E211917BBE3CF826D50
Test 3	TCP			04-JUL-2019 19:31:48	4F3535C8D14091B3BEB885666B29C82D4D 41122C2AA0C4CE73369180207F5B02

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 9th July 2019

Gyöző Kmethy

Gyöző Kmethy
President

Viktória Varjú Timárné

Viktória Varjú Timárné
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 = "\Holley Technology LTD"
  FLAGid = "\HLY"
  Type = "\DDSY283SR-H13"
  ConfigurationId = "0000000000000001"
  SerialNr = "000020190704"
  Comment = "\FOR GBCS COSEM TEST"
  Comment = "\NO"
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	1	0	35	0
APPL	77	0	21	0	56	0
COSEM	375	0	0	78	297	0
SYMSEC	42	0	9	0	33	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
SERVICE_SPECIFIC_BLOCK_TRANSFER, SET

Security features: SERVICE_SPECIFIC_GLO_CIPHERING, SUITE_0
SECURITY_ACTIVATE, KEY_TRANSFER

Data protection features: (not collected)

Logical device(s) found: SAP = 1 is "484C5930303130333230313930373034"
(HLY0010320190704)

Active firmware(s): Id=02 V=V17.10

COSEM classes tested: 1, 3, 4, 7(1), 8, 15(3), 20, 23, 41, 42, 45, 64(1), 70

COSEM classes found but not tested: (none)

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Summary of features tested for Test 2

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 = "\Holley Technology LTD"
  FLAGid = "\HLY"
  Type = "\DDSY283SR-H13"
  ConfigurationId = "0000000000000001"
  SerialNr = "000020190704"
  Comment = "\FOR GBCS COSEM TEST"
  Comment = "\NO"
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC		All (MODE_E)				
APPL	77	0	21	0	56	0
COSEM	375	0	0	78	297	0
SYMSEC	42	0	9	0	33	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
SERVICE_SPECIFIC_BLOCK_TRANSFER, SET

Security features: SERVICE_SPECIFIC_GLO_CIPHERING, SUITE_0
SECURITY_ACTIVATE, KEY_TRANSFER

Data protection features: (not collected)

Logical device(s) found: SAP = 1 is "484C5930303130333230313930373034"
(HLY0010320190704)

Active firmware(s): Id=02 V=V17.10

COSEM classes tested: 1, 3, 4, 7(1), 8, 15(3), 20, 23, 41, 42, 45, 64(1), 70

COSEM classes found but not tested: (none)

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Summary of features tested for Test 3

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 = "\Holley Technology LTD"  
  FLAGid = "\HLY"  
  Type = "\DDSY283SR-H13"  
  ConfigurationId = "0000000000000001"  
  SerialNr = "000020190704"  
  Comment = "\FOR GBCS COSEM TEST"  
  Comment = "\NO"  
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC		All (Communication profile not HDLC)				
APPL	77	0	20	0	57	0
COSEM	375	0	0	78	297	0
SYMSEC	45	0	9	0	36	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, LOW_LEVEL_SECURITY  
                                HIGH_LEVEL_SECURITY_GMAC  
ACSE and xDLMS features:      ACTION, GET, MULTIPLE_REFERENCES, RLRQ_RLRE  
                                SERVICE_SPECIFIC_BLOCK_TRANSFER, SET  
Security features:             SERVICE_SPECIFIC_GLO_CIPHERING, SUITE_0  
                                SECURITY_ACTIVATE, KEY_TRANSFER  
Data protection features:      (not collected)  
Logical device(s) found:      SAP = 1 is "484C5930303130333230313930373034"  
(HLY0010320190704)  
Active firmware(s):           Id=02 V=V17.10  
COSEM classes tested:          1, 3, 4, 7 (1), 8, 15 (3), 20, 23, 41, 42, 45, 64 (1), 70  
COSEM classes found but not tested: (none)
```