

## Certification No. 1900

This is to certify that the metering equipment identified as:

**Type: NIK 2104**

**Mgmt. Logical Device Name: SAP = 1 is "4E494B2032313034" (NIK 2104)**

**Manufactured by: NIK-Elektronika LLC**

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

- CTT version: CTT 3.1 extended edition, 64bits, release 102
- Licensed to: 20171020\_NIK-ELEKTRONIKA\_LLC\_Kyiv (20.10.2017)COSEM object definitions file version: Object\_defs\_v3.1\_released\_170313.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	—	17-NOV-2017 08:44:44	F42B25F5B7C19B3772CAED7F3FF636723D 917CB95340CAE359B0010D93FD86BD
Test 2	HDLC, MODE_E	LONG_NAMES	—	17-NOV-2017 08:49:33	707935E5D256F5C744EE663BE7097D36A86 747E2F3AC19617CB64E953524B7F4

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 17<sup>th</sup> November 2017



Gyöző Kmethy  
President

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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 = "\NIK-Elektronika LLC"  
  FLAGid = "\NIK"  
  Type = "\NIK 2104"  
  FirmwareId = "\EMSW"  
  FirmwareVersion = "\EMxxx_v.2.01"  
  ConfigurationId = "\NIK 2104"  
  SerialNr = "\2104236478942017"  
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	1	0	35	0
APPL	85	0	25	0	60	0
COSEM	635	0	4	0	631	0
SYMSEC		All (No ciphered association with the required properties)				
PUBSEC		All (No ciphered association with the required properties)				

```
Communication profile:          HDLC  
  
Application context names:     LONG_NAMES  
  
Authentication mechanisms:     NO_SECURITY,LOW_LEVEL_SECURITY  
  
ACSE and xDLMS features:      GET,SERVICE_SPECIFIC_BLOCK_TRANSFER,SET  
  
Security features:             (not collected)  
  
Data protection features:      (not collected)  
  
Logical device(s) found:       SAP = 1 is "4E494B2032313034" (NIK 2104)  
  
COSEM classes tested:          1,3,8,15(1),17  
  
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 = "\NIK-Elektronika LLC"  
  FLAGid = "\NIK"  
  Type = "\NIK 2104"  
  FirmwareId = "\EMSW"  
  FirmwareVersion = "\EMxxx_v.2.01"  
  ConfigurationId = "\NIK 2104"  
  SerialNr = "\2104236478942017"  
}
```

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

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC		All (MODE_E)				
APPL	85	0	25	0	60	0
COSEM	635	0	4	0	631	0
SYMSEC		All (No ciphered association with the required properties)				
PUBSEC		All (No ciphered association with the required properties)				

```
Communication profile:          HDLC  
Application context names:     LONG_NAMES  
Authentication mechanisms:     NO_SECURITY,LOW_LEVEL_SECURITY  
ACSE and xDLMS features:      GET,SERVICE_SPECIFIC_BLOCK_TRANSFER,SET  
Security features:             (not collected)  
Data protection features:      (not collected)  
Logical device(s) found:       SAP = 1 is "4E494B2032313034" (NIK 2104)  
COSEM classes tested:          1,3,8,15(1),17  
COSEM classes found but not tested: (none)
```