

Certification No. 1642

This is to certify that the metering equipment identified as:

Type: MT880-T1

Mgmt. Logical Device Name: SAP = 1 is "49534B31353130323335383037303939" (ISK1510235807099)

Manufactured by: Iskraemeco d.d.

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

- CTT version: CTT 3.0 standard edition, 64bits (103)
- Licensed to: ISKRAEMECO d.d. (25.2.2003)
- COSEM object definitions file version: Object_defs_v2.9_released_GKVV141201.dat
- Media identifier(s): Abstract, Electricity

| Tests | Comm. profile & opening mode | Application contexts | Security suite | Date and time | Test Result hash value |
|-------------------|------------------------------|--|----------------|-----------------------------|--|
| Test 1 optical | HDLC | LONG_NAMES, LONG_NAMES_WITH _CIPHERING | 0 | 01-APR- 2016 11:23:33 | F9D9EFED00A7020F05F59364084F89FA608A24F38B69 0A7F345D6FC267684C27 |
| Test 2 RS 485 | HDLC | LONG_NAMES, LONG_NAMES_WITH _CIPHERING | 0 | 01-APR- 2016 13:05:51 | 25878DA1F50F90045AF3B4330946800EFD6C64AE8632 0DB5406BC5AD05D8A021 |

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 8th April 2016



Gyöző Kmethy
President

Certification No. 1642

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 = "\Iskraemeco d.d."  
  FLAGid = "\ISK"  
  Type = "\MT880-T1"  
  IUTisModule = FALSE  
  SerialNr = "\35807099"  
  Comment = "\This is a comment"  
  Comment = "\This is another comment"  
}
```

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

| TYPE | TOTAL | SKIPPED | INAPPLICABLE | INCONCLUSIVE | PASSED | FAILED |
|--------|-------|--------------|--------------|--------------|--------|--------|
| ---- | ----- | ----- | ----- | ----- | ----- | ----- |
| HDLC | | All (MODE_E) | | | | |
| APPL | 80 | 0 | 16 | 0 | 64 | 0 |
| COSEM | 18715 | 0 | 18 | 24 | 18673 | 0 |
| SYMSEC | 74 | 0 | 11 | 6 | 57 | 0 |

Communication profile: HDLC

Application context names: LONG_NAMES, LONG_NAMES_WITH_CIPHERING

Security mechanisms: NO_SECURITY, LOW_LEVEL_SECURITY
HIGH_LEVEL_SECURITY_GMAC

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

Security features: ACTIVATE_SECURITY_POLICY, KEY_TRANSFER
SERVICE_SPECIFIC_GLO_CIPHERING

Logical device(s) found: SAP = 1 is "49534B31353130323335383037303939"
(ISK1510235807099)

COSEM classes tested: 1, 3, 4, 5, 6, 7 (1), 8, 9, 11, 15 (1), 17, 18, 19 (1), 20
21, 22, 23 (1), 40, 64, 70

COSEM classes found but not tested: (none)

Certification No. 1642

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 = "\Iskraemeco d.d."
  FLAGid = "\ISK"
  Type = "\MT880-T1"
  IUTisModule = FALSE
  SerialNr = "\35807099"
  Comment = "\This is a comment"
  Comment = "\This is another comment"
}
```

* Summary *

| TYPE | TOTAL | SKIPPED | INAPPLICABLE | INCONCLUSIVE | PASSED | FAILED |
|--------|-------|---------|--------------|--------------|--------|--------|
| ---- | ----- | ----- | ----- | ----- | ----- | ----- |
| HDLC | 36 | 0 | 4 | 0 | 32 | 0 |
| APPL | 80 | 0 | 16 | 0 | 64 | 0 |
| COSEM | 18715 | 0 | 18 | 24 | 18673 | 0 |
| SYMSEC | 74 | 0 | 11 | 6 | 57 | 0 |

Communication profile: HDLC

Application context names: LONG_NAMES, LONG_NAMES_WITH_CIPHERING

Security mechanisms: NO_SECURITY, LOW_LEVEL_SECURITY
HIGH_LEVEL_SECURITY_GMAC

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

Security features: ACTIVATE_SECURITY_POLICY, KEY_TRANSFER
SERVICE_SPECIFIC_GLO_CIPHERING

Logical device(s) found: SAP = 1 is "49534B31353130323335383037303939"
(ISK1510235807099)

COSEM classes tested: 1, 3, 4, 5, 6, 7(1), 8, 9, 11, 15(1), 17, 18, 19(1), 20
21, 22, 23(1), 40, 64, 70

COSEM classes found but not tested: (none)