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| GENERAL INFORMATION | | | | | | | | | | | | | | | | | | | | | | | |
| **Applicant** *(manufacturer)* | | | | | | | | | | | | | | | | | | | | | | | |
| Name | | | | | | | | | | | |  | | | | | | | | | | | |
| Contact person(s) | | | | | | | | | | | |  | | | | | | | | | | | |
| Address | | | | | | | | | | | |  | | | | | | | | | | | |
| Place | | | | | | | | | | | |  | | | | | | | | | | | |
| Country | | | | | | | | | | | |  | | | | | | | | | | | |
| Telephone number | | | | | | | | | | | |  | | | | | | | | | | | |
| Email address | | | | | | | | | | | |  | | | | | | | | | | | |
| **Production location** *(only if different from manufacturer)* | | | | | | | | | | | | | | | | | | | | | | | |
| Name | | | | | | | | | | | |  | | | | | | | | | | | |
| Address | | | | | | | | | | | |  | | | | | | | | | | | |
| Place | | | | | | | | | | | |  | | | | | | | | | | | |
| Country | | | | | | | | | | | |  | | | | | | | | | | | |
| PRODUCT SPECIFICATION | | | | | | | | | | | | | | | | | | | | | | | |
| Type designation (type name) | | | | | | | | | | | |  | | | | | | | | | | | |
| Temperature range (Θ) | | | | | | | | | | | |  | | | | | | | | | | | |
| Temperature difference (ΔΘ) | | | | | | | | | | | |  | | | | | | | | | | | |
| Temperature sensor type | | | | | | | | | | | |  | | | | | | | | | | | |
| Connection indicator device (if applicable) [[1]](#footnote-1) | | | | | | Compact version  (solid connection between sensor and indicator)  Separate version   (long cable between sensor and indicator) | | | | | | | | | | | | | | | | | |
| Information flow sensor | | | | | | | | | | | | | | | | | | | | | | | |
| Type designation (type name) | | | | | | | | |  | | | | | | | | | | | | | | |
| Operation principle  (for example: electromagnetic, turbine, etc.) | | | | | | | | |  | | | | | | | | | | | | | | |
| Orientation of the instrument | | | | | | | | | Horizontal  Vertical | | | | | | | | | | | | | | |
| Minimum pressure | | | | | | | | |  | | | | | | | | | | | | | | |
| Maximum admissible pressure | | | | | | | | |  | | | | | | | | | | | | | | |
| Required straight length | | | | | | | | | x D upstream and  x D downstream | | | | | | | | | | | | | | |
| Pressure loss | | | | | | | | |  | | | | | | | | | | | | | | |
| Power supply (if applicable)[[2]](#footnote-2) | | | | | Type | | | | | | | | | | | Min. [volt] | | | | | Max. [volt] | | |
| AC powered | | | | | | | | | | |  | | | | |  | | |
| DC powered | | | | | | | | | | |  | | | | |  | | |
| Battery (replaceable) | | | | | | | | | | |  | | | | |  | | |
| Battery (non-replaceable) | | | | | | | | | | |  | | | | |  | | |
| Durability period (will influence the test duration) | | | | | | | | 5 years  10 years        years | | | | | | | | | | | | | | | |
| Output range sensor | | | | | | | | | | | | |  | | | | | | | | | | |
| Information calculator | | | | | | | | | | | | | | | | | | | | | | | |
| Type designation (type name) | | | | | | | | | | | | |  | | | | | | | | | | |
| Input range sensors | | | | | | | | | | | | |  | | | | | | | | | | |
| Power supply (if applicable) | | | | | Type | | | | | | | | | | | Min. [volt] | | | | | Max. [volt] | | |
| AC powered | | | | | | | | | | |  | | | | |  | | |
| DC powered | | | | | | | | | | |  | | | | |  | | |
| Battery (replaceable) | | | | | | | | | | |  | | | | |  | | |
| Battery (non-replaceable) | | | | | | | | | | |  | | | | |  | | |
| Information temperature sensor pair | | | | | | | | | | | | | | | | | | | | | | | |
| Type designation (type name) | | | | | | | | | |  | | | | | | | | | | | | | |
| Durability period (will influence the test duration) | | | | | | | | | | 5 years  10 years        years | | | | | | | | | | | | | |
| Input range sensor | | | | | | | | | |  | | | | | | | | | | | | | |
| Communication (if applicable)  Type of communication | | | | | | | | | | | | | | | | | To be approved yes / no | | | | | | |
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| **Classification** | | | **Options** | | | | | | | | | | | **Description** | | | | | | | | | |
| Accuracy | | | | Accuracy class 1 | | | | | | | | | | |  | | | | | | | | |
| Accuracy class 2 | | | | | | | | | | |
| Accuracy class 3 | | | | | | | | | | |
| Environmental  (for electronics) | | | | Class A | | | | | | | for domestic use, indoor installations | | | | | | | | | | | | |
| Class B | | | | | | | for domestic use, outdoor installations | | | | | | | | | | | | |
| Class C | | | | | | | for industrial installations | | | | | | | | | | | | |
| Electromagnetic  (for electronics) | | | | Class E1 | | | | | | | for residential, commercial and light industrial | | | | | | | | | | | | |
| Class E2 | | | | | | | for industrial | | | | | | | | | | | | |
| **Complete family of meter for approval** | | | | | | | | | | | | | | | | | | | | | | | |
| DN sizes [mm] | | Upper limit qs [m3/h | | | | | Permanent qp [m3/h] | | | | | | | | | | | Lower limit qi [m3/h] | | | | | |
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| Note: Sending an attached file with a table with this information is also sufficient. | | | | | | | | | | | | | | | | | | | | | | | |
| Software download | | | | | | | | | | | | | | | | | | | | | | | |
| Is loading of software possible or desired after putting the measuring instrument into use, without breaking the sealing? | | | | | | | | | | | | | | | | | | | | | | | |
|  | Yes (WELMEC 7.2 Extension D is applicable) | | | | | | | | | | | | | | | | | | | | | | |
|  | No | | | | | | | | | | | | | | | | | | | | | | |
| TEST SERVICES | | | | | | | | | | | | | | | | | | | | | | | |
| OIML R75 Edition 2002 (E) | | | | | | | | | | | | | | | | | | | | | |  | |
| EN 1434: 2015 | | | | | | | | | | | | | | | | | | | | | |  | |
| Measuring Instrument Directive (MID) 2014/32/EU, Annex B | | | | | | | | | | | | | | | | | | | | | |  | |
| Software evaluation according to WELMEC guide 7.2 (Required for electronic heat meters) | | | | | | | | | | | | | | | | | | | | | |  | |
| Note: The OIML R75 Edition 2002 (E) does not completely cover the MID directive. The EN 1434: 2015 better suits the essential requirements of the MID directive and allows issuing the EU-type examination certificate. | | | | | | | | | | | | | | | | | | | | | | | |
| CERTIFICATIONS | | | | | | | | | | | | | | | | | | | | | | | |
| OIML R75 test report | | | | | | | | | | | | | | | | | | | | | | |  |
| OIML R75 Certificate and publication on OIML website | | | | | | | | | | | | | | | | | | | | | | |  |
| EN 1434 test report | | | | | | | | | | | | | | | | | | | | | | |  |
| EU-type examination certificate (MID directive), Annex B | | | | | | | | | | | | | | | | | | | | | | |  |
| Note: If tests are performed by another test lab (under accreditation), these test must be witnessed:  If the test lab is not an Issuing Authority for OIML R75 / EN 1434  And/or the applicant/manufacturer desires a complete NMi test report of these test results. Otherwise these results will not be printed on paper with an NMi logo. | | | | | | | | | | | | | | | | | | | | | | | |
| SYSTEM CERTIFICATION SERVICES | | | | | | | | | | | | | | | | | | | | | | | |
| If you want to put meters on the market in the European Union, you also need to able to perform a conformity assessment according to module D, F or H1 (see MID 2014/32/EC for an explanation). NMi also provides this service. For optimal preparation of the audit it is adviced to perform a training and have a pre-audit first | | | | | | | | | | | | | | | | | | | | | | | |
| Training | | | | | | | | | | | | | | | | | | | yes  no | | | | |
| Pre-audit | | | | | | | | | | | | | | | | | | | yes  no | | | | |
| Audit | | | | | | | | | | | | | | | | | | | yes  no | | | | |
| Other requests | | | | | | | | | | | | | | | | | | | | | | | |
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| MARKET INFORMATION | | | | | | | | | | | | | | | | | | | | | | | |
| When are your samples available? | | | | | | | | | | | | | | | | | | | |  | | | |
| Do you have a specific deadline? | | | | | | | | | | | | | | | | | | | |  | | | |
| What are your targeted markets? | | | | | | | | | | | | | | | | | | | |  | | | |

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| IEC 62443 Security Assessment and Certification | |
| IEC 62443 covers all Operational Technology (process automation, field instruments, and the associated network equipment) aspects playing a role in Cyber Security. Depending on which particular aspect needs evaluation, a suitable set of requirements is available. These range from design of complete systems, to quality assurance procedures on patch management. The IEC 62443 provides independently verifiable criteria to all types of stakeholders in Cyber Security. | |
| Security assessment based on the IEC 62443 (and WELMEC 7.2). | yes  no |

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| UKCA service | |
| UK Declaration of Conformity (service expected available as of Q3 2021) | yes  no |

1. Both compact and separate versions can be applicable. [↑](#footnote-ref-1)
2. Indicate the minimum (min.) and maximum (max.) supply voltage for approval. [↑](#footnote-ref-2)