

MID Annex D

Your market access under control

MID (Measuring Instruments Directive) covers 10 categories of measuring instruments. It adopts a modern regulatory approach, leaving more room for technological innovation and more choice for manufacturers in conformity assessment procedures. It aligns EU legislation to international standards, in particular those of the OIML, and it covers the electronic revolution that has defined measuring instruments since the 70s.

WHAT IS ANNEX D?

A manufacturer must guarantee that all measuring instruments meet the legal requirements before they enter the market. Annex D is the conformity assessment procedure that follows type examination (Annex B). With this procedure the manufacturer ensures and declares that his measuring instrument(s) are in conformity with the type described in the EC Type Examination Certificate.

The conformity to type is in this case based on quality assurance of the production process, which means that the manufacturers' quality system must be certified. The quality system includes the manufacturing and final product inspection and testing.

Annex D therefore allows the manufacturer to perform the initial verifications (conformity to type) of his measuring instrument(s) at the production site or on location without the presence of a Notified Body.

AUDITING

NMI can certify your quality system through auditing. During the audit the following three elements will be taken into account:

- Implementation of a certified quality system: Depending on the dynamics of the quality system, the extent of the NMI audit will be adjusted;
- Manufacture and final product inspection: Production model versus technical design, packaging, integration of test in manufacture;
- Conformity to type and verification: Facilities, traceability, measurement uncertainty, test engineers.

MID MEASURING INSTRUMENTS

1. Water meters
2. Gas meters and volume conversion devices
3. Electricity meters
4. Heat meters
5. Meters for liquids other than water
6. Automatic weighing instruments
7. Taximeters
8. Material measurers
9. Dimensional measuring instruments
10. Exhaust gas analysers



WHY NMI?

NMI is the independent testing and certification institute with an excellent global reputation. Our products and services are supplied all over the world. Manufacturers and end users can rely on worldwide recognition of our measurement reports and certificates. NMI differentiates itself through customer-oriented solutions and innovation.

NMI's SERVICE

- We can efficiently combine different audits on request, resulting in the shortest project lead times;
- We issue MID EC Type Examination and Evaluation Certificates;
- Our team of experts can help you with:
 - technical/metrological issues
 - (pre-) audits
 - (pre-) testing
 - design review

MANUFACTURER RESPONSIBILITIES

- Conformity with MID
- Affixing CE mark
- Affixing "M" + year (metrology mark) and number of the Notified Body that certified the quality system
- Issue Declaration of Conformity



EXAMPLE OF MARKING

C **€** **M15** **0122**

TRAINING

NMI's training department offers various courses in the field of legal and industrial metrology. The training focuses on acquiring knowledge and insights. Exercises will help you to practise the skills and test your development.

NMI organizes dedicated training courses about the MID on a regular basis. We also offer tailor-made programs based on your requirements. For further information, please send an email to nmi@nmi.nl or visit our website.

