

Liquid

NMi simplifies your type approval process!

MID and OIML

As a basis for testing your liquid meters and liquid measuring systems you can test against the essential requirements MID and OIML R117-1. NMi can also perform tests on your measuring systems according to OIML R81 (Measuring systems for cryogenic liquids), R85 (Automatic level gauges for measuring the level of liquid in fixed storage tanks) or OIML R105 (Direct Mass Measuring Systems). Find out what is best for your liquid meters.



Transparency in our services: clarity in advance!

NMi always informs you about the costs in advance. We are happy to work, with prior agreement, on costs, test programs and time to completion. Before starting tests, we can issue a Concept EC-Type Examination Certificate that is based on your documentation. This means that you already know what the certificate will look like if your instrument complies with the requirements.

NMi thinks ahead

In order to achieve a minimum time-to-market, it is vital that your design already complies with the legal requirements in the target countries. NMi can assist you at this stage, thus avoiding costly modifications to your design during the type approval process.

Type Approval Management

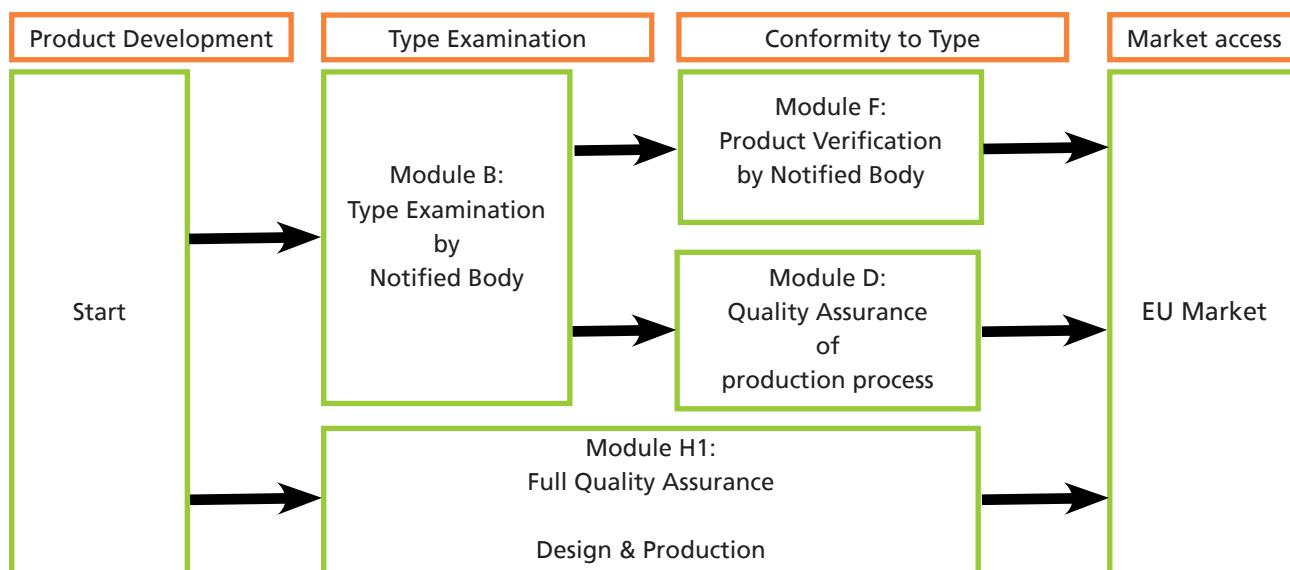
NMi can assist you gaining market access in countries outside Europe with our Type Approval Management service. NMi will first compile a list of the metrological requirements of the target countries. Then a test and time schedule is drawn up, combining as many tests as possible. Type Approval Management saves you time to market and costs in additional testing.



NMi's test facilities

Many meters have a density and/or viscosity dependent behaviour. This is the reason NMi tests with real life liquids. Petrol, kerosene, diesel and water can be used as calibration fluids. This makes the test facilities extremely suitable for the calibration of volume and mass flow meters. NMi also tests with a special climate chamber. This chamber gives NMi the possibility to perform wet tests at temperatures from -40°C to 55°C, independently controlling the ambient temperature and the temperature of the test liquid.

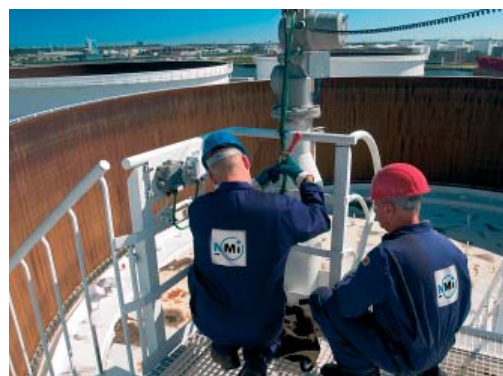
Possible routes to conformity with MID



What NMi offers you

In the specific field of liquid meters and liquid measuring installations NMi offers you the following services:

- MID EC-Type Examination Certificates
- Validation of measuring installations
- OIML test reports
- Modular Evaluation Certificates
- Type Approval Management
- STEEC
- System Certification
- ISO 9001
- Training
- Calibration
- Validation



STEEC: Standard Type Examination & Evaluation Certificates

NMi uses STEEC as a method to provide structure in your approval documents. This method gives you a very clear view on the consequences of a product modification. STEEC defines three levels:

- **Essential Parts:**
If an essential part has to be modified, revision of your certificate is needed as these modifications have an impact on the metrological aspects of your product.
- **Conditional Parts:**
The conditions under which this part can be used or attached are mentioned in your certificate. Changes to this condition could lead to small revisions of your certificate.
- **Non-Essential Parts:**
Modifications in non-essential parts have no consequences for your certificates. You are free to modify these parts. The modification has no effect on the metrology aspects of the product.

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More information?
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+ Testing
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