

# Gas PRODUCT FLYER

## NMi quantifies your gas!

### MID, OIML or (C)EN

EC-Type Examination Certificates for Gas meters and Volume Conversion Devices are valid in the entire EU since the introduction of the Measuring Instruments Directive (MID). Next to testing against MID (Annex MI-002), NMi also tests your product using internationally accepted OIML recommendations and (C)EN standards. Find out what is the best solution for the market access of your gas meter.



### What is best for your Gas meter or Electronic Volume Conversion Devices?

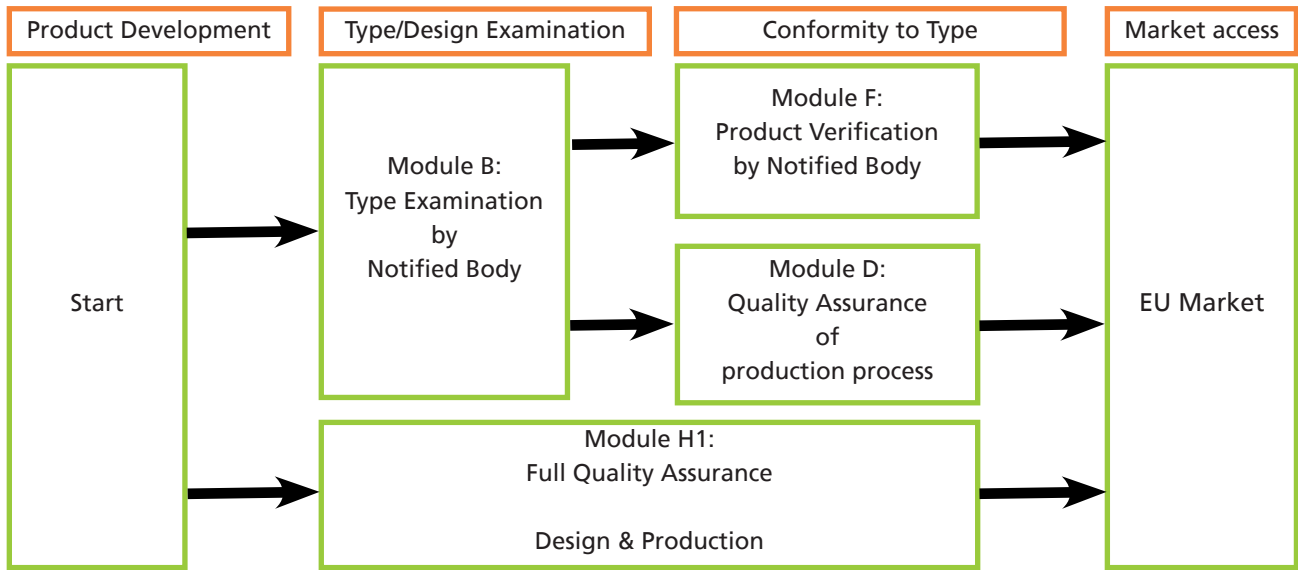
If you wish to sell your meters in the EU only, NMi can perform tests according to the applicable standards or recommendations for gas meters, as well as for the provisional conformity with MID. For turbine (EN 12261), rotary (EN 12480) and ultrasonic gas meters (OIML R137), NMi tests against international recommendations and standards. At your request we will help you set up a test program especially for your product.

For the testing of your Electronic Volume Conversion Devices (EVCDs) we use the internationally accepted EN 12405-1 for the presumption of conformity with MID.

		Global standards	European standards
Gas meters	Diaphragm Gas meters	OIML R137	EN 1359
	Turbine Gas meters	OIML R137	EN 12261
	Rotary Gas meters	OIML R137	EN 12480
	Ultrasonic Gas meters	OIML R137	EN 14236 (Household)
	Software		Welmec guide 7.2
	General Provisions	OIML R6	
Peripheral equipment	Electronic Volume Conversion Device		EN 12405-1
	Pressure & Temperature Transmitters		EN 12405-1
	Gas chromatographs	OIML R140	ISO 10723



## Possible routes to conformity with MID



### Transparency in our services: clarity in advance!

NMi always informs you about the project steps in advance. We are happy to work, with prior agreement, on investments, test programs and time schedules. Before starting tests, we can issue a draft Type Approval 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.



### STEEC: Standard Type Examination & Evaluation Certificates

NMi uses STEEC as a method to provide structure in your approval documents. This method gives you a 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.

### What NMi offers you

In the specific field of Gas meters and Electronic Conversion Devices, NMi offers you the following services:

- MID Type Examination
- OIML and EN test reports
- Type Approval Management
- STEEC
- System Certification
- ISO 9001
- Training
- Consultancy

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 with one of our consultants?

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