

# Automatic Weighing Instruments

## Conformity in various ways

Automatic weighing instruments are used for many applications in the manufacturing industry. Many of these applications are covered by Directive 2004/22/EC of the European Union on Measuring Instruments (MID), Annex MI-006. NMI is the leading notified body in type examination on automatic weighing instruments according to MID.

In addition, NMI can certify your automatic weighing instruments in accordance with the relevant OIML Recommendation. An OIML Certificate of Conformity together with an OIML test report will facilitate obtaining an approval in many countries outside the European Union.



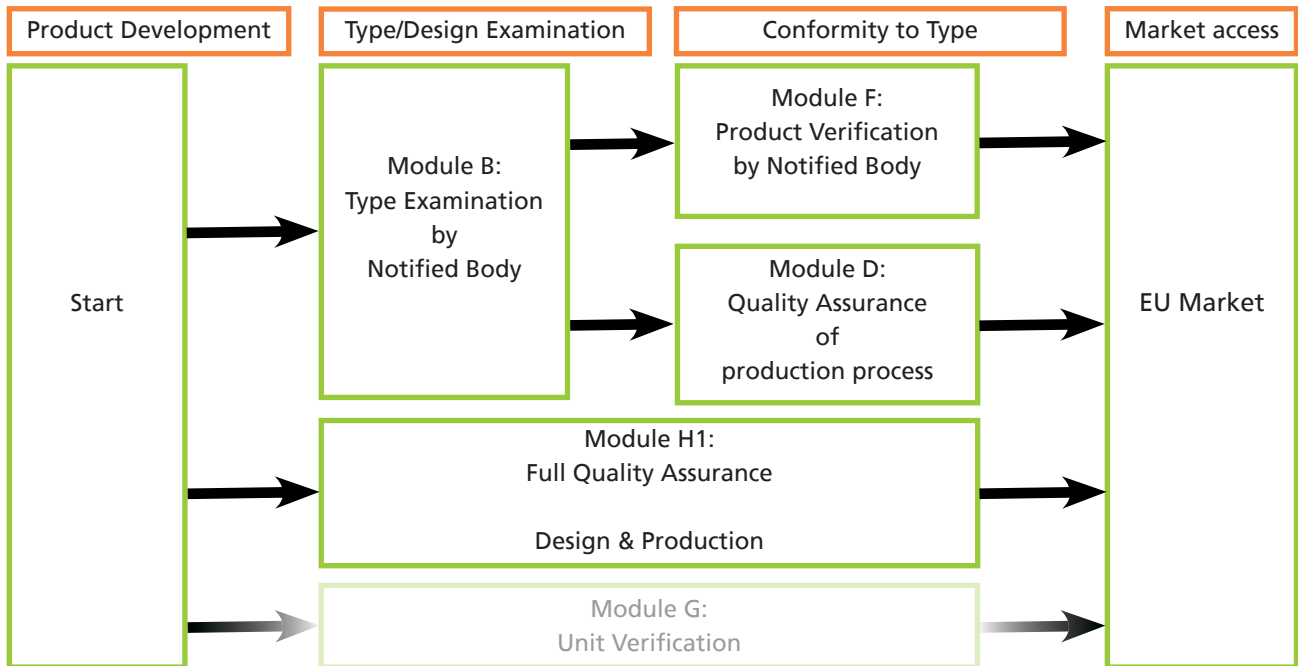
### Overview of applicable OIML recommendations:

MID instrument	OIML instrument	OIML Recommendation
Automatic Catchweighers <ul style="list-style-type: none"> <li>• Checkweigher</li> <li>• Weight graders</li> <li>• Weigh labellers</li> <li>• Weigh price labellers</li> </ul>	Automatic Catchweighing Instrument	R51-1 Ed 2006 *
Automatic Gravimetric Filling Instruments	Automatic Gravimetric Filling Instruments	R61-1 Ed 2004 *
Discontinuous Totalisers	Discontinuous Totalizing Automatic Weighing Instruments (Totalizing Hopper Weighers)	R107-1 Ed 1997 * R107-1 Ed 2007 *
Continuous Totalisers	Continuous Totalizing Automatic Weighing Machines (Belt Weighers)	R50-1 Ed 1997 *
Automatic Rail Weighbridges	Automatic Rail-Weighbridges	R106-1 Ed 1997 *
	Automatic Instruments for weighing road vehicles in motion and total vehicle weighing.	R134-1 Ed 2003
	Automatic Instruments for weighing road vehicles in motion and measuring axle loads.	R134-1 Ed 2006

\* Please refer to the publication 2006/C269/01 of the references to normative documents drawn up by OIML and the list of the parts thereof corresponding to the essential requirements in conformity with Article 16.1 of the MID..



## Possible routes to conformity with MID



Although the result is the same when following module G for electronic systems or systems containing software, the route via module B followed by module F is preferred in most situations. With the combination of module B followed by module F you will get an EC-Type examination certificate.

### MID Annex MI-006 applies to:

- Automatic Catchweighers
- Automatic Gravimetric Filling Instruments
- Discontinuous Totalisers
- Continuous Totalisers
- Automatic Rail Weighbridges



### Flexible method to provide structure

NMi uses a flexible method to provide structure in your approval documents. This method gives you a clear view on the consequences of a product modification defined by the following classifications:

- **Essential Properties:**  
If an essential property has to be modified, revision of your certificate is needed as these modifications have an impact on the metrological aspects of your product.
- **Conditional Properties:**  
The conditions under which this property can be used or attached are mentioned in your certificate. Changes to this condition could lead to small revisions of your certificate.
- **Non-Essential Properties:**  
Modifications in non-essential property 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 weighing instruments, NMi offers you the following services:

- MID Type Examination
- Test certificates
- OIML Certificates of Conformity
- OIML test reports
- Type Approval Management
- Certification of Quality Management Systems
- ISO 9001
- Training
- Consultancy

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