

# PRODUCT FLYER

## Non-Automatic Weighing Instruments

### Conformity in various ways

Non-automatic weighing instruments are used for applications in the retail and manufacturing industries. Many of these applications are covered by Directive 2009/23/EC (= codified version of 90/384/EEC) of the European Union on non-automatic weighing instruments. NMI is the leading notified body in type examination on non-automatic weighing instruments according to this directive.

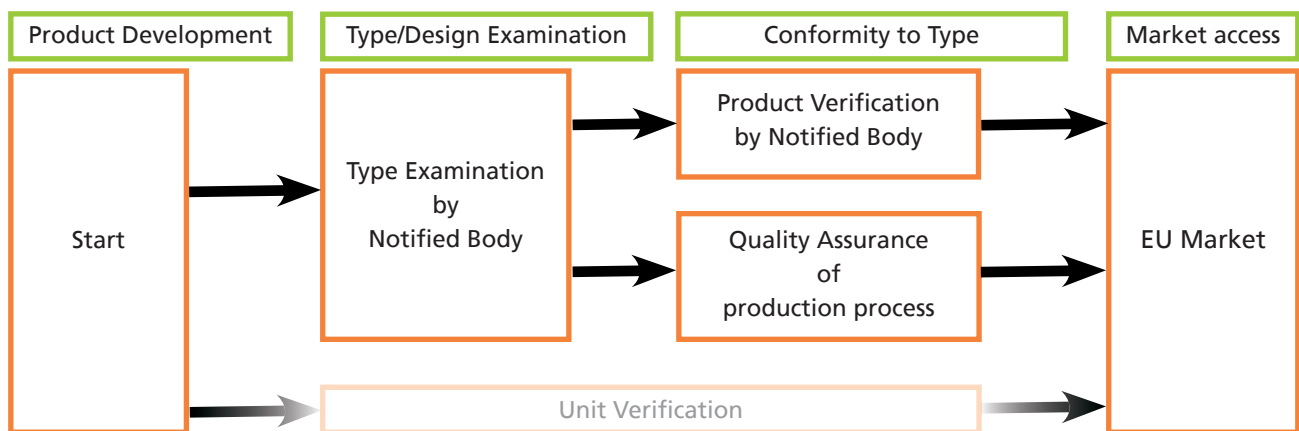
In addition, NMI can certify your non-automatic weighing instruments in accordance with the relevant OIML Recommendation. An OIML R76 MAA Certificate of Conformity together with an OIML test report will facilitate obtaining an approval in many countries outside the European Union.



#### Modular approach

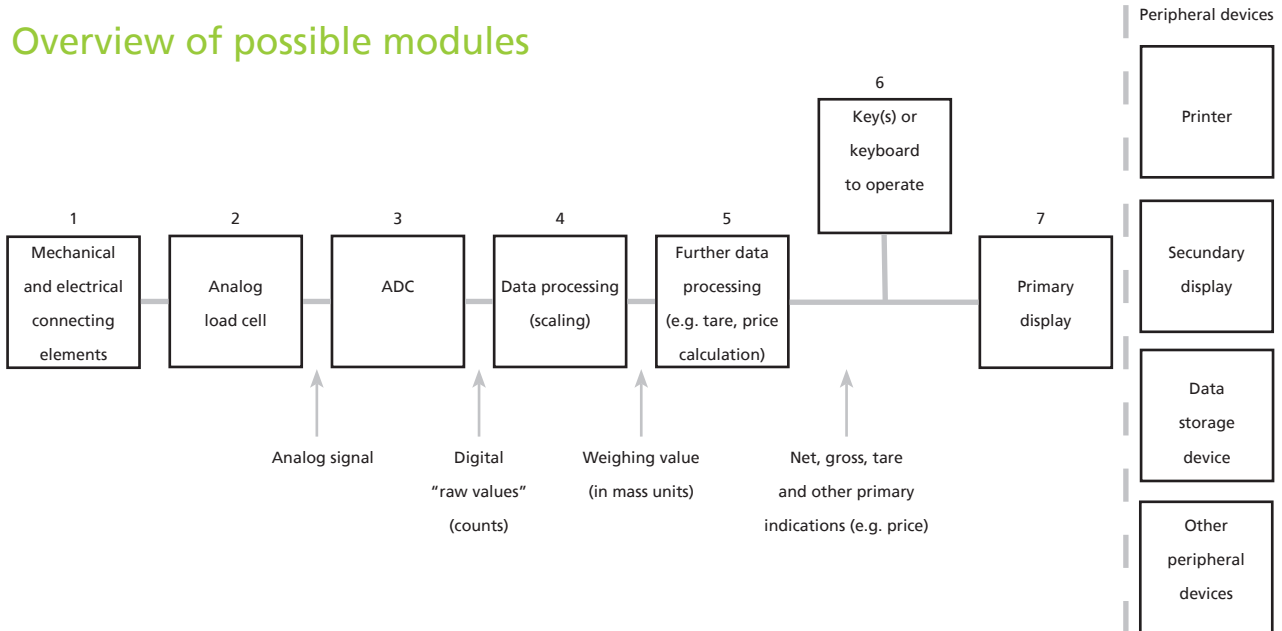
There are two methods to certify a non-automatic weighing instrument; testing as a complete instrument and modular testing. The second method provides the manufacturer with flexibility when constructing his non-automatic weighing instrument.

#### Possible routes to conformity



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

## Overview of possible modules



|                                |                           |
|--------------------------------|---------------------------|
| Analog load cell               | 2                         |
| Digital load cell              | 2 + 3                     |
| Indicator                      | (3) + 4 + (5) + (6) + 7   |
| Analog data processing device  | 3 + 4 + (5) + (6)         |
| Digital data processing device | (4) + 5 + (6)             |
| Terminal                       | (5) + 6 + 7               |
| Primary display                | 7                         |
| Weighing module                | 1 + 2 + 3 + 4 + (5) + (6) |

Numbers in brackets indicate options

### 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 will issue a draft Certificate based on your documentation. This is to ensure that the exact project definition is captured correctly at the start of the investigation.

### 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:

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

NMi Certin B.V.  
Hugo de Grootplein 1  
P.O. Box 394  
3300 AJ Dordrecht  
T +31 78 633 23 08  
F +31 78 633 23 09

More information?  
Would you like more information  
about our service?  
  
Or would you like an appointment  
with one of our consultants?

Please contact:  
NMi Certin B.V.  
Sales department  
T +31 78 633 23 08  
F +31 78 633 23 09  
E certinsales@nmi.nl  
I www.nmi.nl

**TRUE VALUE**  
+ Testing + + + +  
+ Certification + + + +  
+ Calibration + + + +  
+ Training + + + +