

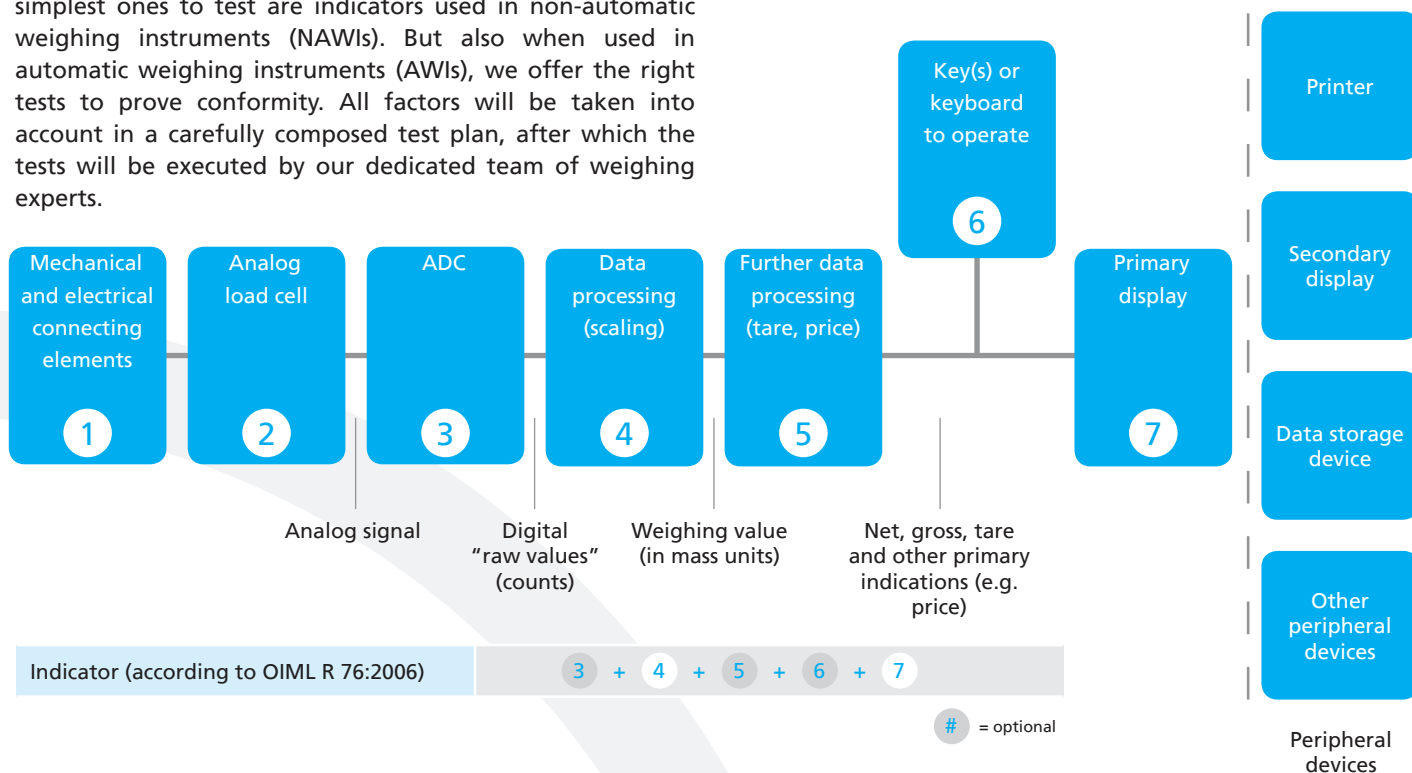
INDICATOR

250 kg

Are you a manufacturer of indicators and do you want to increase their market value? You can do so by selling your indicator together with an Evaluation Certificate. NMI tests indicators against the European standard EN45501, which will provide you quick access into the EU. Our modular testing procedures are completed by combining these with the globally accepted OIML R 76:2006 Recommendations.

AWI OR NAWI: THE RIGHT TESTS

Indicators come in many different shapes and sizes. The simplest ones to test are indicators used in non-automatic weighing instruments (NAWIs). But also when used in automatic weighing instruments (AWIs), we offer the right tests to prove conformity. All factors will be taken into account in a carefully composed test plan, after which the tests will be executed by our dedicated team of weighing experts.



WORLDWIDE MARKET ACCESS

To enter the EU market, an EC Type Examination (Approval) Certificate for the complete weighing instrument needs to be issued. This certificate can be based on tested parts such as an Evaluation Certificate for an indicator.

For global market access, an OIML R 76:2006 MAA certificate for a module like an indicator can be issued by NMI.

The turnaround time for indicators is 6 to 8 weeks, which allows you to enter the market almost directly after finalizing your product design.

TEST SAMPLES

The most sensitive sample(s) from a family of indicators will be tested, depending on their functionality, specifications, housing etc. We usually test one sample in full, while additional tests may be performed on a second sample based on its variants. In our laboratory, a load cell simulator is used for most indicator tests. EMC (Electromagnetic Compatibility) tests are completed with the help of a load cell.

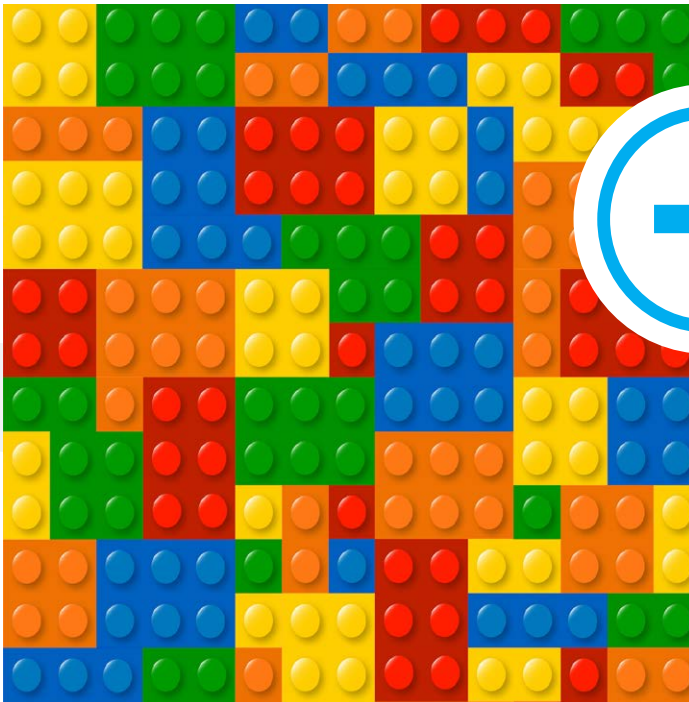


MODULAR APPROACH

Since the publication of the OIML R 76:2006, it is not only possible to test complete weighing instruments according to R 76, but also their separate components. The idea of modular testing has emerged from the fact that some weighing constructions, such as truck scales, are too big to be tested as a complete weighing instrument in a testing lab. By dividing them into three main parts/modules, (indicator, load cell(s) and construction), testing for every type and model of weighing instruments in our laboratory is made possible.

The principle of modular testing goes even further: NMI can certify the software in your indicator. By doing this, it is much easier to exchange software between different indicators.

NMI has many years of experience in modular testing and continuously proclaims its benefits in many international working groups for the weighing market. This has resulted in a widespread acceptance of the modular approach in large parts of the world. More and more countries are recognizing its advantages and worldwide doors are opening for indicators that are offered together with a modular OIML R 76 MAA certificate.



PC AND EC

When certifying a part of a weighing instrument, there are two possible certificates to choose from:

1. Parts Certificate (PC): components with a PC may be used freely by the manufacturers of complete weighing instruments.
2. Evaluation Certificate (EC): components with an EC may only be used by the manufacturers of complete weighing instruments after permission from the holder.

Almost all manufacturers of indicators prefer to obtain an Evaluation Certificate to protect their product and the incorporated software.

WELMEC 7.2 SOFTWARE KNOWLEDGE

Many instruments are rejected on application because of the software that is used. This is why NMI provides a dedicated training on this important topic, which is organized several times a year. The WELMEC Guide 7.2 forms the basis for the software requirements governing the design, verification and legislation for a range of measuring instruments and systems. The training will explain what these requirements are and how they are translated in practice. Involving NMI at the very start of your product development stage can offer huge benefits as NMI will help you gather the essential information on metrological regulations which can impact the design of your indicators. This will reduce development costs, lead to fewer rejections and speed up your time to market.



WHY NMI?

- Worldwide market access with globally accepted certificates
- Quick time to market within 6 to 8 weeks
- Modular testing
- Extended high-tech testing facilities
- Over 30 years of experience
- Product design and software knowledge
- NMI issues the most certificates for the weighing industry worldwide
- NMI issues 60% of all OIML certificates for indicators

