# OIML Certificate

**OIML Member State**
The Netherlands

Number R76/2006-A-NL1-23.15 revision 0
Project number 3691293


| | |
|---|---|
| Issuing authority | NMi Certin B.V.<br>Person responsible: M.Ph.D. Schmidt |
| Applicant and Manufacturer | Minebea Intec Bovenden GmbH & Co. KG<br>Leinetal 2<br>D-37120 Bovenden<br>Germany |
| Identification of the certified type | A **Non-automatic weighing instrument**<br>Type : MI10P |
| Characteristics | See next page |

This OIML Certificate is issued under scheme A.

This Certificate attests the conformity of the above identified Type (represented by the sample(s) identified in the OIML Test Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

**OIML R 76-1**:2006 for accuracy class (III) or (IIII)

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation above-identified.
This Certificate does not bestow any form of legal international approval.

*Important note:* Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate was issued, partial quotation of the Certificate and of the associated OIML Test Report(s) is not permitted, although either may be reproduced in full.

Issuing Authority

**NMi Certin B.V., OIML Issuing Authority NL1**
26 October 2023

Certification Board

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The conformity was established by the results of tests and examinations provided in the associated report(s):

- No. NMi-9200870-01 dated 11 November 2011 that includes 46 pages;
- No. NMi-9200870-03 dated 16 November 2011 that includes 15 pages;
- No. NMi-12200012-01 dated 6 May 2013 that includes 24 pages;
- No. NMi-12200012-02 dated 6 May 2013 that includes 15 pages;
- No. NMi-12200291-01 dated 6 May 2013 that includes 15 pages;
- No. NMi-16200603-01 dated 10 October 2016 that includes 18 pages.

**Characteristics of the non-automatic weighing instrument:**

This instrument has been evaluated using the modular approach from R 76-1 (2006) clause 3.10.2 and Annex C. To check the compatibility of the modules for a particular instrument the manufacturer has to complete the compatibility checks described in R 76-1 (2006) annex F.4.

**Characteristics of the indicator:**

| | |
|---|---|
| Accuracy class | (III) or (IIII) |
| Weighing range(s) | Single interval<br>Multi-interval<br>Multiple range |
| Maximum number of scale intervals (one weighing range) | n ≤ 10000 divisions |
| Load cell excitation voltage | 5 V DC |
| Minimum input voltage per verification scale interval | 1 µV |
| Minimum load cell resistance | 87 Ω |
| Maximum load cell resistance | 1050 Ω |
| Fraction of the maximum permissible error | 0,5 |
| Load cell interface | 6-wire with sense technology, may be configured as 4-wire |
| Maximum value of the cable length per cross wire section between the indicator and the junction box or load cells | No special cable length<br>In case sense technology is not used the load cells are connected directly without junction box or extension cable |
| Temperature range | -10 °C / +40 °C |
| Power supply voltage | 230 V AC 50/60 Hz;<br>6 V DC by battery |
| Application | Intended to be used for direct sales to the public |
| Software identification | See table below |

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| Model | Version | Model |
|---|---|---|
| MI10P | 02005xxx | Press 'Net/Gross' button, switch on and hold, when display shows 01 ADC, release 'Net/Gross' button and press '>0<' twice to select 03 VER. Then press '>T</PT' button to display version |

**Revision History**

| Revision | Date | Change(s) |
|---|---|---|
| 0 | 2023-10-26 | Initial issue. |