

OIML Member State
The Netherlands

Number R76/2006-A-NL1-20.31 revision 1
Project number 2620853
Page 1 of 4

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Identification of the certified type A **Non-automatic weighing instrument**

Type : BSF, BCF series

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 - Edition 2006 for accuracy class **III** or **III1**

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.

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Issuing Authority **NMI Certin B.V., OIML Issuing Authority NL1**
19 July 2021

Certification Board

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OIML Member State
The Netherlands

Number R76/2006-A-NL1-20.31 revision 1
Project number 2620853
Page 2 of 4

The conformity was established by the results of tests and examinations provided in the associated OIML Reports:

For load cell:

Técnicas de Electrónica y Automatismos S.A, type 740 :

- No. NMI-2224556-01 dated 10 December 2019 that includes 28 pages.

Técnicas de Electrónica y Automatismos S.A, type 740 D :

- No. 4016030/L dated 11 May 2007 that includes 36 pages (R60:2000).
- No. 11/31702746 dated 28 November 2011 that includes 9 pages (Disturbance tests R76:2006);
- No. 16/34511615-L dated 5 September 2016 that includes 20 pages (Influence tests R60:2000);
- No. 18/34556528-L dated 6 November 2018 that includes 17 pages (Influence tests R60:2000, R76:2006) EN45501:2015).

Zemic. Type HM9B:

- No. 2004-WJ-0059 dated 20 December 2004 that includes 18 pages;
- No. 2004-WJ-0060 dated 20 December 2004 that includes 17 pages.

For analog digital data processing device (ADPD), Avery Weigh-Tronix type ZB210:

- No. SN1439 dated 29 May 2010 that includes 9 pages.

For the indicator:

| Type | Test report | Issue date | Pages |
|---------|-------------|------------|-------|
| ZM305 | TR 619 | 17/05/2012 | 25 |
| | 00030 | 07/02/2012 | 32 |
| | 00241 | 06/02/2012 | 38 |
| | 00242 | 06/02/2012 | 8 |
| | 00243 | 07/02/2012 | 12 |
| | 00244 | 08/02/2012 | 12 |
| | 00245 | 08/02/2012 | 11 |
| | 00246 | 06/03/2012 | 13 |
| | 00247 | 06/03/2012 | 18 |
| | 00248 | 06/03/2012 | 11 |
| | 00049 | 07/05/2014 | 32 |
| | 00279 | 06/05/2014 | 18 |
| | 00280 | 06/05/2014 | 9 |
| | 00281 | 06/05/2014 | 9 |
| | 00282 | 06/05/2014 | 9 |
| | SN 1207 | 17/05/2012 | 16 |
| | SN 1208 | 17/05/2012 | 13 |
| | SN 1209 | 17/05/2012 | 11 |
| | SN 1210 | 17/05/2012 | 11 |
| | SN 1211 | 17/05/2012 | 9 |
| SN 1212 | 17/05/2012 | 15 | |
| SN 1213 | 17/05/2012 | 32 | |

| | | | |
|-----------|------------|------------|----|
| | SN 1214 | 17/05/2012 | 7 |
| | SN 1223 | 15/10/2013 | 13 |
| | TR 659 | 09/10/2014 | 26 |
| | SN 1287 | 24/06/2014 | 19 |
| | SN 1296 | 09/10/2014 | 12 |
| | TR 664 | 30/09/2014 | 25 |
| ZM405 | SN 1323 | 22/09/2015 | 11 |
| | SN 1324 | 22/09/2015 | 24 |
| ZM615 | 030 | 07/02/2012 | 32 |
| | TR 619 | 17/05/2012 | 25 |
| | 00319 | 07/01/2016 | 18 |
| | 00320 | 07/01/2016 | 11 |
| | 00321 | 07/01/2016 | 9 |
| | 00322 | 07/01/2016 | 9 |
| | 00328 | 22/02/2016 | 32 |
| | SN 1358 | 20/07/2016 | 15 |
| | 00355 | 06/04/2017 | 13 |
| | 00358 | 11/04/2017 | 16 |
| | 00359 | 12/04/2017 | 31 |
| | 00360 | 12/04/2017 | 9 |
| | SN 1384 | 09/08/2017 | 15 |
| | 00376 | 07/11/2018 | 28 |
| | 00377 | 07/11/2018 | 8 |
| | 00378 | 07/11/2018 | 15 |
| | 00379 | 09/11/2018 | 10 |
| | 00380 | 09/11/2018 | 10 |
| | 00381 | 09/11/2018 | 10 |
| | 00382 | 12/11/2018 | 9 |
| SN 1439 | 29/05/2019 | 9 | |
| Matrix II | TR 741 | 27/03/2017 | 33 |

For each model, the compatibility of load cells and indicator is established by the manufacturer by means of the compatibility of modules form, contained in OIML R76 edition 2006 Annex F.

Characteristics of the non-automatic weighing instrument:

| | |
|-----------------------------|-----------------------------------|
| Accuracy class | III or IIII |
| Maximum capacity | 15 t ≤ Max ≤ 100 t |
| Verification scale interval | e ≥ 10 kg |
| Weighing range(s) | Single interval Multiple range |

OIML Member State
The Netherlands

Number R76/2006-A-NL1-20.31 revision 1
Project number 2620853
Page 4 of 4

| | |
|---|------------------------|
| Maximum number of scale intervals (one weighing range) | $n \leq 4000$ |
| Tare | $T \leq -Max$ |
| Temperature range | -10 °C / 40 °C |
| Power supply voltage | 100 –240 V AC 50/60 Hz |

Software identification:

| Indicator or ADPD type: | Version number: |
|-------------------------|--------------------|
| ZM305 | 1.x.x.x or 2.x.x.x |
| ZM405 | 1.x.x.x |
| ZM615 | 2.x.x.x |
| ZB210 | 1.x.x.x |
| Matrix II | 1.xxxx |

Remark: x.x.x / xxxx refers to the identification of non-legally relevant software.

Revision History

This revision replaces the previous version.

| Revision | Date | Change(s) |
|----------|------------|--|
| Initial | 2021-01-15 | - |
| 1 | 2021-07-19 | Add load cell 740D and indicator Matrix II |