

OIML Member State
The Netherlands

Number R76/2006-A-NL1-20.31
Project number 2450873
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Issuing authority NMI Certin B.V.
Person responsible: M. Boudewijns

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Manizales
Colombia

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

Type : BSF, BCF series

See next page

Characteristics

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 **III**

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
15 January 2021

Certification Board

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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.

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	

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



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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

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