



OIML Certificate

OIML Member State
The Netherlands

Number R61/2017-A-NL1-23.02 revision 0
Project number 3469362
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Issuing authority NMI Certin B.V.
Person responsible: M.Ph.D. Schmidt

Applicant and Manufacturer Yamato Scale Co., Ltd.
5-22, Saenba-cho
Akashi, 673-8688
Japan

Identification of the certified type An **Automatic gravimetric filling instrument**
Type : TSD-N3

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 61-1:2017 for reference class Ref (0,5)

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**
13 June 2023

Certification Board

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

- No. NMI-3469362-01 dated 2 June 2023 that includes 35 pages;
- No. NMI-3469362-02 dated 2 June 2023 that includes 22 pages;
- No. NMI-3469362-03 dated 2 June 2023 that includes 19 pages.

Characteristics of the automatic gravimetric filling instrument

Method of operation	selective combination weighing	
Reference accuracy class	Ref (0,5) the operational accuracy class X(x) is determined at the time of putting into use	
Electromagnetic environment class	E2	
Climatic environment	temperature range	0 °C / +40 °C
	humidity	non-condensing
	intended location	Closed
Maximum capacity (of each load receptor)	Max ≤ 1,5 kg	
Minimum capacity (of each load receptor)	Min ≥ 8 g	
Rated minimum fill	MinFill ≥ Min	
Maximumfill	Maxfill is determined at the time of putting into use	
Maximum number of load receptors	16	
Power supply voltage	200 – 240 V AC 50/60 Hz	
Software identification A/D board (ADPD)	Version: 1.01.00 Checksum: A71E0E37	
Software identification Main board (ADPD)	Version: 1.02.00 Checksum: 8CA93123	
Software identification DDPD	Version: 1.02.00 Checksum: 4C2C3174	

Software:

- The identification number will be displayed after pressing the key sequence:
 - From the main menu choose "trouble shooting";
 - Select "software version".

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Rated minimum fill (Minfill):

d [g]	Average number of fills = 2			Average number of fills = 3		
	X(0,5)	X(1)	X(2)	X(0,5)	X(1)	X(2)
1	31	16	8	38	19	10
2	126	32	16	154	38	20
5	470	155	40	1155	190	50
10	1890	470	160	2310	1150	190

d [g]	Average number of fills = 4			Average number of fills = 5		
	X(0,5)	X(1)	X(2)	X(0,5)	X(1)	X(2)
1	44	22	11	50	25	12
2	178	44	22	198	50	24
5	1335	335	110	1490	375	125
10	2670	1330	330	2980	1490	370

d [g]	Average number of fills = 6			Average number of fills = 7		
	X(0,5)	X(1)	X(2)	X(0,5)	X(1)	X(2)
1	109	27	14	118	29	15
2	326	108	28	352	118	30
5	1635	410	135	1765	440	145
10	3270	1630	410	3530	1760	440



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Revision History

Revision	Date	Change(s)
0	13 June 2023	Initial issue.