



**OIML Member State**  
The Netherlands

# OIML Certificate

Number R61/2017-B-NL1-20.02  
Project number 2228215  
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Issuing authority NMI Certin B.V.  
Person responsible: M. Boudewijns

Applicant and  
Manufacturer Premier Tech  
1, Avenue Premier  
Rivière-du-Loup (Québec)  
Canada G5R 6C1

Identification of the certified type An **Automatic gravimetric filling instrument**  
Type : PTF-XXXX (X= 0 ... 9)

Characteristics See next page

This OIML Certificate is issued under scheme B.

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** - Edition 2017 (E) for accuracy class Ref (0,2)

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**  
31 March 2020

## Certification Board

NMI Certin B.V.  
Thijsseweg 11  
2629 JA Delft  
The Netherlands  
T +31 88 6362332  
certin@nmi.nl  
www.nmi.nl

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The notification of NMI Certin B.V. as Issuing Authority can be verified at [www.oiml.org](http://www.oiml.org)

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

For the indicator / analog data processing device model IT8000ET (Systec GmbH):

- No. NMI-13200671-01 dated 24 July 2014 that includes 57 pages;
- No. NMI-13200671-05 dated 24 July 2014 that includes 11 pages;
- No. NMI-15200613-01 dated 21 December 2015 that includes 24 pages;
- No. NMI-2267348-01 dated 22 October 2019 that includes 11 pages.

For the primary display / terminal / secondary display:

- No. NMI-1900207-01 dated 2 June 2017 that includes 20 pages;
- No. NMI-1900207-02 dated 31 May 2017 that includes 9 pages;
- No. NMI-2249932-01 dated 21 December 2018 that includes 14 pages.

For the load cell model Z6 (Hottinger Baldwin Messtechnik GmbH):

- No. R60/2000-NL1-06.07A dated 09 June 2006 that includes 38 pages;
- No. R60/2000-NL1-06.07B dated 09 June 2006 that includes 16 pages;
- No. NMI-13200686-01 dated 12 March 2014 that includes 26 pages.

For the load cell model PW22 (Hottinger Baldwin Messtechnik GmbH):

- No. NMI-16200809-01 dated 31 January 2017 that includes 51 pages;
- No. NMI-16200809-02 dated 31 January 2017 that includes 46 pages.

For the automatic gravimetric filling instrument:

- No. NMI-2228215-01 dated 31 March 2020 that includes 30 pages.

## Characteristics of the automatic gravimetric filling instrument

Method of operation	filling by one weighing cycle		
Reference accuracy class	Ref (0,2) the operational accuracy class X(x) is determined at the time of putting into use		
Electromagnetic environment class	E2		
Climatic environment	temperature range	-10 °C / +40 °C	
	humidity	Indicator	Mechanical assembly
		intended location	non-condensing
		closed	open and closed
Maximum capacity main station	Max <sub>m</sub> depends on the load cells used		
Maximum capacity top-up station	Max <sub>to</sub> depending on the load cells used		
Minimum capacity main station	Min <sub>m</sub> See tables below		
Minimum capacity top- up station	Min <sub>to</sub> : See tables below		
Rated minimum fill	Minfill ≥ Min <sub>m</sub> + Min <sub>to</sub>		
Maximum fill	Maxfill ≤ Max <sub>m</sub> + Max <sub>to</sub>		
Number of load receptors	2		

Minimum capacity (Min) for stations with automatic zero-setting or automatic tare-setting with a maximum time interval of 15 minutes:

Average number of loads per fill:	1			
Accuracy class:	X(0,2)	X(0,5)	X(1)	X(2)
d [g]	Min[g]			
0,5	178,0	35,5	18,0	9,0
1	1067	142	36	18
2	2134	426	142	36
5	5335	2135	1065	180
10	16000	4270	2130	1070
20	32000	8540	4260	2140
50	80000	32000	16000	5350
≥100	1600 d	640 d	320 d	160 d

Minimum capacity (Min) for stations with automatic zero-setting or automatic tare-setting as part of every weighing cycle:

Average number of loads per fill:	1			
Accuracy class:	X(0,2)	X(0,5)	X(1)	X(2)
d [g]	Min[g]			
0,5	28,0	11,0	5,5	3,0
1	111	22	11	6
2	334	44	22	12
5	1665	335	110	30
10	3330	1330	330	110
20	6660	2660	1340	340
50	25000	6650	3350	1650
100	50000	20000	6700	3300
200	100000	40000	20000	6600
≥ 500	500 d	200 d	100 d	50 d