



Nederlands Meetinstituut

OIML Member state
The Netherlands

OIML Certificate N° R51/1996-NL1-04.05 revision 1

Project number 508659

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OIML CERTIFICATE OF CONFORMITY

Issuing authority

Name: NMi Certin B.V.
Address: Hugo de Grootplein 1,
3314 EG Dordrecht
The Netherlands
Person responsible: Ing. C. Oosterman

Applicant

Name: Thermo Electron B.V.
Address: Hardwareweg 3
3821 BL Amersfoort
The Netherlands

Manufacturer of the certified type

Name: Thermo Electron B.V.
Address: Hardwareweg 3
3821 BL Amersfoort
The Netherlands

Identification of certified type

Type : AC9000plus

Temperature range 0 °C / 40 °C

Further characteristics are described on page 3.

This Certificate attests the conformity of the above identified type (represented by the sample or samples identified in the associated Test Report, the type-approval certificate and the description with number T6564 and the appertaining documentation folder) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

R51

Edition 1996 (E)
for accuracy class X(1) or Y(a).

NMi Certin B.V.
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Parties concerned can lodge objection against this decision, within six weeks after the date of submission, to the general manager of NMi B.V. (see "Regulation objection and appeal against decisions of NMi B.V.")

NMi Certin B.V., chamber o.c. nr. 27.233.418

This document is issued under the provision that no responsibility is accepted and that the applicant gives warranty for each responsibility against third parties.

The notification of NMi Certin as Issuing Authority can be verified at www.oiml.org.



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This Certificate relates only to the metrological and technical characteristics of the type of instrument covered by the relevant OIML Recommendation identified above.

This Certificate does not bestow any form of legal international approval.

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

- N° R51/1996-NL1-04.05.RW1 that includes 52 pages;
- N° R51/1996-NL1-04.05.RW2 that includes 22 pages;
- N° R51/1996-NL1-04.05.RW3 that includes 22 pages;
- N° R51/1996-NL1-04.05.Teo that includes 35 pages;
- N° R51/1996-NL1-04.05.Sen(x) that includes 52 pages;
- N° R51/1996-NL1-04.05.Sen(y) that includes 18 pages;
- N° R51/1996-NL1-04.05.B80 that includes 36 pages;
- N° R51/1996-NL1-04.05.BTE that includes 36 pages.

This revision OIML Certificate replaces the earlier version.

The Issuing Authority
Ing. C. Gosterman
Manager Product Certification

20 October 2005

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

AC9000plus Model	Class	Min [g]	Max [g]	e [g]	n	Max. belt-speed [m/min]	Dynamic setting-range [± TNE] *)
Rx(M)	X(1)	≥ 5	≤ 100	≥ 0,1	≤ 1000	≤ 90	≤ 3
		≥ 15	≤ 200	≥ 0,2	≤ 1000	≤ 80	≤ 3
		≥ 35	≤ 250	≥ 0,5	≤ 500	≤ 80	≤ 2,2
		≥ 35	≤ 500	≥ 0,5	≤ 1000	≤ 80	≤ 2,2
Teorema	X(1)	≥ 50	< 125	≥ 0,5	≤ 1600	≤ 150	≤ 3
		≥ 125	< 500	≥ 0,5	≤ 1600	≤ 162	≤ 3
		≥ 500	≤ 800	≥ 0,5	≤ 1600	≤ 150	≤ 3
		≥ 125	≤ 1600	≥ 1	≤ 1600	≤ 150	≤ 3
Sentron	X(1)	≥ 35	≤ 1500	≥ 0,5	≤ 3000	≤ 80	Min Max
		≥ 125	≤ 3000	≥ 1	≤ 3000	≤ 80	Min Max
		≥ 350	≤ 6000	≥ 2	≤ 3000	≤ 80	Min Max
		≥ 1750	≤ 15000	≥ 5	≤ 3000	≤ 80	Min Max
		≥ 3500	≤ 30000	≥ 10	≤ 3000	≤ 48	Min Max
Sentron	Y(a)	≥ 35	≤ 500	≥ 1	≤ 500	≤ 80	Min Max
		≥ 35	≤ 1500	≥ 2	≤ 750	≤ 80	Min Max
		≥ 125	≤ 3000	≥ 5	≤ 600	≤ 80	Min Max
		≥ 350	≤ 6000	≥ 10	≤ 600	≤ 80	Min Max
		≥ 1750	≤ 15000	≥ 20	≤ 750	≤ 80	Min Max
Box HB80NL	X(1)	≥ 3500	≤ 30000	≥ 10	≤ 3000	≤ 48	Min Max
		≥ 7500	≤ 60000	≥ 20	≤ 3000	≤ 48	Min Max
Box HB80NL	Y(a)	≥ 300	≤ 30000	≥ 10	≤ 3000	≤ 48	Min Max
		≥ 600	≤ 60000	≥ 20	≤ 3000	≤ 48	Min Max
Box AC9BW (=Box TE)	X(1)	≥ 3500	≤ 30000	≥ 10	≤ 3000	≤ 48	Min Max
		≥ 7500	≤ 60000	≥ 20	≤ 3000	≤ 48	Min Max
Box AC9BW (=Box TE)	Y(a)	≥ 300	≤ 30000	≥ 10	≤ 3000	≤ 48	Min Max
		≥ 600	≤ 60000	≥ 20	≤ 3000	≤ 48	Min Max

*) The TNE-values for the calculation of the dynamic setting range are:

Value of the mass of the net load m [g]	1xTNE [%]	1xTNE [g]
m ≤ 50	9	
50 < m ≤ 100		4,5
100 < m ≤ 200	4,5	
200 < m ≤ 300		9
300 < m ≤ 500	3	
500 < m ≤ 1000		15
1000 < m ≤ 10000	1,5	
10000 < m ≤ 15000		12,5
15000 < m	1,25	