



OIML Member State
The Netherlands

OIML Certificate N° R134/2003-NL1-08.01
Project number 701455
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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: Dinamica Generale s.r.l.
Address: Via Mondadori 15
46025 Poggio Rusco
Italy

Manufacturer of the certified type

Name: Dinamica Generale s.r.l.
Address: Via Mondadori 15
46025 Poggio Rusco
Italy

Identification of the certified type

Automatic instrument for weighing road vehicles
in motion. Total vehicle weighing.
Type : DINA 3

Accuracy class	2, 5 or 10 The actual class shall be determined at initial verification
Maximum capacity (Max)	≤ 18 t
Minimum capacity (Min)	≥ 10 d for class 2, 5 and 10
Scale interval (d)	≥ 10 kg
Number of scale intervals (n)	≤ 2000
Maximum speed	3 km/h
Maximum number of axles	≤ 12
Direction of travel	Single direction
Compensating axle groups	Yes
Operation temperature	Mentioned in the test certificates involved.



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

R134

Edition 2003 (E)

This Certificate relates only to the metrological and technical characteristics of the type of the instrument covered by the relevant OIML International 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° R134/2003-NL1-08.01, that includes 25 pages;

N° R60/1991-NL-98.08A, that includes 38 pages;

N° R60/1991-NL-98.08B, that includes 35 pages;

N° 509623A, that includes 36 pages;

N° 509623B, that includes 44 pages;

N° 509623C, that includes 58 pages;

N° 509623D, that includes 10 pages.

The Issuing Authority

Ing. C. Oosterman

Manager Product Certification

1/a

23 January 2008

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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.

1 General information about the automatic instrument for weighing road vehicles in motion

All properties of the automatic instrument for weighing road vehicles in motion, whether mentioned or not, may not be in conflict with the legislation.

1.1 Essential parts

Block diagram:

Description	Drawing number	Rev.	Remarks
Connections diagram	Dina3 Manual Rev. B0	1.0.9	

Indicator:

Manufacturer	Type	Test certificate number	Remarks
Dinamic Generale	DINA 3	TC7016	

Load cell:

Any load cell(s) may be used, provided the following conditions are met:

- There is a respective OIML Certificate of Conformity (R60) issued for the load cell.
- The certificate contains the load cell types and the necessary load cell data required for the manufacturer's declaration of compatibility of modules (WELMEC 2, Issue 4, 2004, Section 11), and any particular installation requirements. A load cell marked NH is allowed only if humidity testing to OIML R76 has been conducted on this load cell.
- The compatibility of load cells and indicator is established by the manufacturer by means of the compatibility of modules form, contained in the above WELMEC 2 document, at the time of (putting into use) EC verification or declaration of EC conformity of type.
- It is not a load cell with digital output.
- The characteristics of the replacement load cell such as n_{IC} , Y, Z are the same or better than the characteristics as mentioned in the test certificate in table 1.
- No oil damper is used.
- The design of the load cells and the material must be in conformity with:

Table 1

Manufacturer	Type	Test certificate number	Remarks
N.B.C. Elettronica S.r.l.	FB	TC5204	

1.2 Essential characteristics

Power supply: 9.5 V - 30 V DC.

Considering chapter 2.5 of the OIML R134, individual axle or axle group load shall not be indicated or printed without an associated warning that these results cannot be verified.

Further essential characteristics are described in the test certificates involved.

1.3 Essential shapes

The automatic instrument for weighing road vehicles in motion is built according to the drawings:

- Plattaforma di Pesatura Dina3 Advanced, drawing number 969-0104, revision A;
- Sito complete DINA3, drawing number 000-0599.

Markings:

- The markings have to meet the requirements mentioned in the Dutch legislation draft "Regeling dynamische weegbruggen", see also OIML R134.
- The data plate is fixed to the console of the Automatic instrument for weighing road vehicles in motion and secured against removal by sealing or will be destroyed when removed.

To secure components that may not be dismantled or adjusted by the user, the automatic instrument for weighing road vehicles in motion has to be secured in a suitable manner on the locations indicated in:

- The relevant test certificates;
- The load cell cable or the junction box has to be secured.

1.4 Conditional parts

The automatic instrument for weighing road vehicles in motion may be equipped with peripheral equipment which is used for the applications listed in article 1(2)(a) of the EC-directive (90/384/EEC), if the peripheral equipment is certified to be connected to a type-approved weighing instrument by a Notified Body appointed to certify non-automatic weighing instruments according to paragraph I of Annex II of the EC directive on Non-Automatic Weighing Instruments.

The automatic instrument for weighing road vehicles in motion is installed in a fixed position.

1.5 Non-essential parts

The automatic instrument for weighing road vehicles in motion may be connected to non-essential devices, for example but not limited to foot switches, second display's provided that:

- They do not present primary data;
- They do not lead to an instrument having other essential characteristics than those fixed by this type approval document.

2 Approval conditions

See chapter 1.3, essential shapes.

3 Seals and verification marks

See chapter 1.3, essential shapes.