

Member State of OIML
United Kingdom of Great Britain
and Northern Ireland

OIML Certificate No
R51/2006-GB1-09.05
Revision 4

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **NMO**
Person responsible: **Mannie Panesar – Head of Technical Services**
Applicant: **Prisma Industriale S.R.L.
Via la Bionda, 17
I-43036 Fidenza (PR)
Italy**
Manufacturer: **The applicant**
Identification of the certified pattern: **D3 and T3 Checkweighers**

This certificate attests the conformity of the above-mentioned pattern (represented by the samples identified in the associated test report) with the requirements of the following Recommendation of the International Organisation of Legal Metrology (OIML):

OIML R51 - Edition 2006(E) for accuracy class: XIII(1)

This certificate relates only to the metrological and technical characteristics of the pattern of the instrument concerned, as covered by the relevant OIML International Recommendation.

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

Important note: Apart from the mention of the certificates reference number and the name of the OIML Member State in which the certificate was issued, partial quotation of the certificate or of the associated test report is not permitted, though they may be reproduced in full.

This revision replaces earlier versions of the certificate.

Issue Date: 30 August 2017



Technical Manager
For and on behalf of the Head of Technical Services



0135

The conformity was established by testing and examinations described in the associated Evaluation Report P01343 which includes 12 pages.

Characteristics of the instrument:

The pattern is a mains-powered family of automatic checkweighing instruments designated the D3.

Model	08D3	09D3	10D3	14D3
Maximum capacity:	≤ 1600 g	≤ 3200 g	≤ 6400 g	≤ 1600 g
Minimum capacity (Min):	≥ 15 g	≥ 30 g	≥ 60 g	≥ 120 g
Scale interval (e =):	≥ 0.5 g	≥ 1 g	≥ 2 g	≥ 5 g
Maximum number of scale intervals:	3200			
Load cells E _{max}	5 kg	10 kg	10 kg	20 kg
Maximum belt speed:	75 m/min			
Tare:	T ≤ - Max			
Climatic environment	5°C to +40 °C			
	Non-condensing (closed)			
Electromagnetic environments	E1 and E2			
Power supply	230 Va.c. 50 Hz			
Accuracy class	XIII(1)			

Load cell:

The weighing device comprises two strain gauge load cells located below the centre of the weigh conveyor. The load cells type may be as follows: Tedea Huntleigh 1042 C3, capacity according to technical data table.

Any compatible load cell(s) may be used providing 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 and any particular installation requirements. A load cell marked NH is allowed only if humidity testing to R76 has been conducted on this load cell.
- It is not a load cell with digital output
- The characteristics of the replacement load cell such as n_{lc}, Y, Z are the same or better than the load cell tested dynamically (Tedea Huntleigh 1042 C3, capacity 5 kg)
- The design of the load cells and the material are the same
- No oil damper is used

Interfaces:

- RS 232
- USB (only for data collection on memory stick)

Devices:

- Semi-automatic zero-setting ($\leq 4\%$ Max)
- Initial zero-setting ($\leq 20\%$ Max)
- Zero-tracking ($\leq 4\%$ Max)
- Automatic zero setting device active during automatic operation (at least every 35 min)
- Pre-set tare device (subtractive)
- Static calibration not accessible to the user
- Dynamic calibration (not accessible to the user), or dynamic setting functionality (recorded and available to the user)
- Belt speed setting (accessible to the user)
- Internal memory for storage of batch reports
- Device that acts upon significant faults
- Screen check at power-up

Software:

The general software is designated G6IJ, the legally relevant module is designated 9DE7. These software designations are shown in the start-up window as “software release” and “legal release”, respectively. The general software release may also be displayed in the upper left corner of the OPTIONS menu pages, which can be accessed from the main menu page by pressing the F5 function key and then F3.

Sealings:

Access to the legally relevant part of the software is password protected. Every time the metrological parameters or the calibration are changed an audit counter is incremented. This counter, designated “Access counter”, can be displayed by accessing the “WEIGHING OPTIONS” menu page, and should be written on a tamper-evident label located on or near the rating plate.

Access to the electronics (interface and display unit) is prevented by securing the enclosure with a seal bearing a securing mark. Components that may not be dismantled or adjusted by the user (load cell) will be secured by either a wire and seal or tamper evident label and securing mark.

The load cell serial numbers are indelibly written on the data plate.

Alternatives:

Having a modified software, where the general software is designated G6LN, the legally relevant module is designated 981A (displayed as per section Software).

Having the instrument designated the 08T3, 09T3, 10T3 and 14T3. The LCD display is replaced by a touch screen type T3.

The instrument may have a number of the following interfaces:

- RS 232
- USB (only for data collection on memory stick)
- Ethernet

The instruments may be fitted with a metal detector located on the in-feed conveyor. Any type may be used

OIML Certificate No
R51/2006-GB1-09.05
Revision 4

Having a modified construction, with the load cell cable running externally between the cabinet and weighing unit.

Having the instrument designated 16D3 and 16T3. The instruments have the following technical characteristics:

Model	16D3	16T3
Maximum capacity:	≤ 32000 g	≤ 32000 g
Minimum capacity (Min):	≥ 240 g	≥ 240 g
Scale interval (e =):	≥ 10 g	≥ 10 g
Load cells E _{max}	50 kg	50 kg

CERTIFICATE HISTORY

ISSUE NO.	DATE	DESCRIPTION
R51/2006-GB1-09.05	17 November 2009	Certificate first issued.
R51/2006-GB1-09.05 Revision 1	02 February 2011	Dynamic setting functionality added to the certificate.
R51/2006-GB1-09.05 Revision 2	08 August 2012	08T3, 09T3 and 10T3 added to the certificate.
R51/2006-GB1-09.05 Revision 3	19 September 2014	Specifications table changed. Model 14D3 and 14T3 added. Semi-automatic zero setting available to the user Frequency of automatic zero setting changed to 35 min. Alternative construction added.
R51/2006-GB1-09.05 Revision 4	30 August 2017	Addition of sections relating to Software and Sealing. 16D3 and 16T3 added into Alternatives section.