Nederlands Meetinstituut

EC type-approval certificate

Number **T6805** revision 2
Project number 608441

Issued by	NMi Certin B.V. Hugo de Grootplein 1 3314 EG Dordrecht The Netherlands Notified Body Number 0122
In accordance with	The Council Directive 90/384/EEC on non-automatic weighing instruments.
Applicant	Dibal S.A. Astinze Kalea, 24-Pol. Ind. Neinver 48160 Derio (Bilbao-Vizcaya) Spain
In respect of	A class (III), electronic, single- or multi-range **non-automatic weighing instrument**, intended to be used for direct sales to the public. Manufacturer : Dibal Type : D-POS / D-POS Scanner
Characteristics	6 kg ≤ Max ≤ 30 kg e ≥ 2 g n ≤ 3000 divisions (per partial weighing range) Maximum of two partial weighing ranges $T \leq -Max-e_1$ Temperature range 5°C / 40°C In the description number T6805 revision 2 further characteristics are described.
Valid until	3 October 2015
Description and documentation	The instrument is described in the description number T6805 revision 2 and documented in the documentation folder T6805-3, appertaining to this EC type-approval certificate.
Remarks	This revision EC type-approval certificate replaces the earlier versions, including its documentation folder.

Dordrecht, 17 October 2007
NMi Certin B.V.

i/a

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Manager Product Certification

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1 General information about the non-automatic weighing instrument

All properties of the non-automatic weighing instrument, whether mentioned or not, may not be in conflict with the legislation.

1.1 Essential parts

- The electronics;
- The mechanical assembly with load cell.

See drawing "Hardware DPOS 2 displays Torre/Tower", drawing number HDP001.

EMC protective measures:
- The casings of the D-POS and the D-POS Scanner are made of metal;
- On the D-POS, the analogue signal from the load cell is filtered on the main board;
- On the D-POS Scanner, the interface connections are protected by a metal shield, which is connected to ground;
- On the D-POS Scanner, the cable between the display and the instrument is shielded.

1.2 Essential characteristics

Power supply: 12 V DC.

1.3 Essential shapes

The non-automatic weighing instrument is built according to drawings:
- "DPOS 2 Displays Torre/Tower", drawing number EDP001;
- "Scanner weighing kit", drawing number ESC001.

The data plate is 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 non-automatic weighing instrument has to be secured in a suitable manner on the locations indicated in the drawing:
- "Precintos Serie D POS", drawing number PL-31944;
- "Precinto escáner", drawing number PL-41054.

The securing component has to bear either:
- A mark of the manufacturer laid down in a notified body approved quality system (Annex II of the directive 90/384/EEC), or;
- An official mark of a Member State of the EEC, or another party to the EEA agreement.

Inside the cabinet is a calibration switch, located on the main board.

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1.4 Conditional parts

The non-automatic weighing instrument 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 an EC type-approved non-automatic 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 non-automatic weighing instrument may be equipped with an Electronic Point of Sale (EPoS) or an Electronic Cash Register (ECR), if these EPOS and ECR are certified to be connected to an EC type-approved non-automatic 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 non-automatic weighing instrument may be equipped with Electronic Funds Transfer equipment (EFT/ECU), if these EFT/ECU represent only the price total on the display.

The non-automatic weighing instrument is fitted with a leveling device and a level indicator, unless the instrument is installed in a fixed position. A ring on the level indicator indicates when the maximum tilt is exceeded.

1.5 Non-essential parts

- AC/DC adapter.

The non-automatic weighing instrument may be connected to non-essential devices, for example but not limited to bar code readers, foot switches, second display's and cash drawers, provided that:
- They do not present primary data used for purposes mentioned in article 1(2)(a) of the EC Directive (90/384/EEC) unless the "preliminary observations" in Annex 1 of this directive is satisfied;
- They do not lead to an instrument having other essential characteristics than those fixed by this type-approval document.

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2 Information about the main constituent parts of the non-automatic weighing instrument

2.1 The electronics

2.1.1 Essential parts

Description	Drawing number	Rev.	Remarks
CPU de serie F Y DPOS Componente Ref. Almacen	60205 450301923401	B -	Main board drawing. Parts list (9 pages).
Scanner scale CPU CPU balanza escáner	60213 450400910000	B -	Main board drawing. Parts list (2 pages).
CPU de serie F Y DPOS	60205	D	Main board drawing, including parts list. (10 pages)

2.1.2 Essential characteristics

List of devices:
- Determination stability of equilibrium;
- Zero indicator;
- Semi-automatic zero-setting;
- Initial zero-setting;
- Zero-tracking;
- Semi-automatic subtractive tare balancing;
- Indication of stable equilibrium;
- Gravity compensation;
- Calibration / set-up mode via a switch on the main board;
- Acting upon significant faults;
- Checking the display.

2.1.3 Conditional parts

The interface section is located on the main board. The non-automatic weighing instrument may be equipped with one or more of the following protective interfaces that have not to be secured:
- RS232C.

2.1.4 Non-essential parts

- Display (Can be dual or single display).

2.2 The mechanical assembly with load cell

2.2.1 Essential parts

Description	Drawing number	Rev.	Remarks
Load cell specification sheet PW6...	B1041-1.1	-	2 pages. Used in D-POS.
Load cell specification SP4	Dibal-DPOS-SP4	-	Used in D-POS scanner.

2.2.2 Essential characteristics

PW6...:
- $e \geq E_{max}/8000$, or $e_1 \geq E_{max}/10000$ in case of multi-range instrument;
- Excitation power supply: 5 V DC.

SP4:
- $e \geq E_{max}/6000$, or $e_1 \geq E_{max}/15000$ in case of multi-range instrument;
- Excitation power supply: 5 V DC.

3 Approval conditions

See chapter 1.3, essential shapes.

4 Seals and verification marks

See chapter 1.3, essential shapes.

5 CE-mark of conformity and inscriptions

The marks, facilities for the marks and the inscriptions on the non-automatic weighing instrument fulfill the requirements of article 1 of Annex IV.

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