



EC type-approval certificate

Number **T2879** revision 5
Project number 601846
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Issued by NMI Certin B.V.
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The Netherlands

Notified Body Number 0122

In accordance with The Council Directive 90/384/EEC on non-automatic weighing instruments.

Applicant Mettler-Toledo, Inc.
1150 Dearborn Drive
Worthington, Ohio 43085-6712
United States of America

In respect of A class **III**, electronic, single- or multi-interval **non-automatic weighing instrument**, intended to be used for direct sales to the public.
Manufacturer : Mettler-Toledo
Type : PS60

Characteristics $n \leq 3000$ divisions (per partial weighing range)
 $60 \text{ kg} \leq \text{Max} \leq 150 \text{ kg}$
 $e \geq 20 \text{ g}$
Maximum of two partial weighing ranges

In the description T2879 revision 5 further characteristics are described.

Valid until 25 September 2016

Description and documentation The instrument is described in the description T2879 revision 5 and documented in the documentation folder T2879-4 , appertaining to this EC type-approval certificate.

Remarks This revision replaces the earlier version, except for its documentation folder.

Dordrecht, 25 September 2006
NMI Certin B.V.

Ing. C. Oosterman
Manager Product Certification



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

- Block diagram (see drawing 'Internal wiring', drawing number 147058R);
- The electronics;
- Mechanical assembly with load cell.

1.2 Essential characteristics

Power supply: 7.5 - 15 V DC.

1.3 Essential shapes

The non-automatic weighing instrument is built according to the drawings:

- "Dimensional outline", drawing number 145443R;
- "Dimensional outline", drawing number 16793700A.

The data plate is secured against removal by sealing, or will be destroyed when removed, and is located under the platter.

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:

- "Sealing", drawing number 149033R.

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 lock, located on the main board.

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 aforementioned non-automatic weighing instrument shall be equipped with a leveling device and a leveling indicator, unless the non-automatic weighing instrument is, either freely suspended or installed in a fixed position. The leveling indicator has a sensitivity of at least 2 mm for a tilt of 2/1000.

1.5 Non-essential parts

- The non-automatic weighing instrument may be connected to non-essential devices, for example but not limited to bar code readers, foot switches, second displays 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.
- Display;
- Battery;
- AC/DC-adapter;
- Internal power supply board;
- Ball top platter.

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
PCB Assy, Platform, PS60	A14621600	0	4 pages including parts list
	15683100A	2	4 pages including parts list
	16617700A	0	4 pages including parts list

2.1.2 Essential characteristics

List of devices:

- Determination of stable equilibrium;
- Zero-tracking;
- Semi-automatic zero-setting;
- Initial zero-setting;
- Zero-indicating;
- Gravity compensation;
- Semi-automatic calibration;
- Acting upon significant faults;
- Display checking;
- Switching from lb to kg (only in countries where the use of lb is allowed and complying with the requirements of the country where the instrument is taken into service).

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;
- USB.

2.2 The mechanical assembly with load cell

2.2.1 Essential parts

Description	Drawing number	Rev.	Remarks
Final Assy, Model PS60	14831700A 15788700A	2 4	
L/C Assy	A14535300A 15214000A A15302300A	0 - 1	

2.2.2 Essential characteristics

$e \geq E_{\max} / 10000$, or $e_1 \geq E_{\max} / 10000$ in case of a multi-interval scale;
Utilization of the load cell is $\geq 60\%$;
Excitation power supply 5 V DC.

2.2.3 Essential shapes

See the following drawings:

- "L/C assy", drawing number A14535300A;
- "L/C assy", drawing number 15214000A;
- "L/C assy", drawing number A15302300A.

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.