

Issued by NMI Certin B.V.,
designated and notified by the Netherlands to perform tasks with respect to conformity modules mentioned in article 17 of Directive 2014/32/EU, after having established that the Measuring instrument meets the applicable requirements of Directive 2014/32/EU, to:

Manufacturer Manter B.V.
Phileas Foggstraat 66
7825 AL Emmen
The Netherlands

Measuring instrument **Automatic gravimetric filling instrument**

Type : Manter xxxxx/zz
or
MD ww zz
or
M www zz

xxxxx = see Description for type designation
ww = number of weighing units
zz = additional designation

Further properties are described in the annex:
– Description T10307 revision 4.

Valid until 30 November 2030

Remark This revision replaces the earlier versions.

Issuing Authority **NMI Certin B.V., Notified Body number 0122**
30 November 2020

Certification Board

NMI Certin B.V.
Thijsseweg 11
2629 JA Delft
The Netherlands
T +31 88 6362332
certin@nmi.nl
www.nmi.nl

This document is issued under the provision that no liability is accepted and that the manufacturer shall indemnify third-party liability.

The designation of NMI Certin B.V. as Notified Body can be verified at <http://ec.europa.eu/growth/tools-databases/nando/>

Reproduction of the complete document only is permitted.

This document is digitally signed and sealed. The digital signature can be verified in the blue ribbon at the top of the electronic version of this certificate.

1 General information about the automatic gravimetric filling instrument

All properties of the automatic gravimetric filling instrument (instrument), whether mentioned or not, shall not be in conflict with the legislation.

This certificate contains references to other certificates. The properties mentioned in these certificates shall be observed in addition to the properties mentioned in this certificate.

1.1 Essential parts

Indicator:

Producer	Type	Certificate number	Remarks
Manter	MI 10	TC7798	-

Load cell:

	Producer	Type	Certificate number	Remarks
1	Flintec	PC1	D09-97.28	-
2	Técnicas de Electronica y Automatismos S.S.	Utilcell type 120	E-96-02.C2	
3	Técnicas de Electronica y Automatismos S.S.	Type 190	E-98.02.C04	-

Any analog passive load cell(s) may be used under this certificate for instruments as described in WELMEC 2.4 Issue 2, provided the following conditions are met:

- There is a respective certificate (EN45501) or an OIML Certificate of Conformity (R 60) issued for the load cell by a Notified Body responsible for type examination under Directive 2014/32/EU or Directive 2014/31/EU.
- A load cell marked NH is allowed only if humidity testing to EN45501 has been conducted on this 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 (EN 45501:2015 clause F.4), and any particular installation requirements;
- The compatibility of load cells and indicator is established by the manufacturer by means of the compatibility of modules form, contained in EN 45501:2015 clause F.4, at the time of putting into use, with the adaptation that instead of the verification scale interval (e) the scale interval (d) is used;
- The load transmission must conform to one of the examples shown in WELMEC 2.4 Issue 2.

1.2 Essential characteristics

Method of operation	cumulative weighing, or selective combination weighing, or a combination of these two
Reference accuracy class	Ref (1) the operational accuracy class X(x) is determined at the time of putting into use
Electromagnetic environment class	E2

Specifications per type:

Type	Optional additional type designation	Maxfill [kg]	Emax [kg]	Minfill [g]	d [g]	Number of weighing units	Load cell types ¹
M 8 Manter 8000	SST-316; CI; SST-304; SST VEGETABLES; SST PATTERN; BASIC	10,5	15	500	5	8	1 or 2
M 10 Manter 10000	CI; CA SST; CA; SE; CI SE; XL	26,0	15	500	5	10	1 or 2
MD 12 M 12 iv Manter 12000	SF; CA; CI XL; XXL	15,5 30,0	15	500 2500	5	12	1 or 2
MD 14	XL	30,0	15	2500	5	14	1 or 2
MD 16 Manter 16000	CI	25,5	15	500	5	16	1 or 2
M 25/6 Manter 25/6	SST	50,5	75	2500	50	2	3
M 50/6 Manter 50/6		100,5	75	2500	100	2	3
M 25/3 Manter 25/3		30,0	75	2500	50	1	3
M 8i Manter 8000i		3,0	10	20	1	8	1 or 2
M 10i Manter 10000i		3,0	10	20	1	10	1 or 2

1. See chapter 1.1 essential parts

1.3 Essential shapes

Inscriptions:

- The inscriptions have to fulfil the requirements stated in Directive 2014/32/EU Annex I clause 9 and OIML R61-1 Edition 2004 clause 3.10;
- The inscriptions plate is fixed to the console of the instrument and is secured against removal by sealing or will be destroyed when removed.

1.4 Conditional parts

The instrument may be equipped with peripheral equipment if the peripheral equipment is certified to be connected to a weighing instrument by a Notified Body responsible for type examination under Directive 2014/31/EU or Directive 2014/32/EU taking into account the applicable electromagnetic environment class.

The instrument is fitted with a levelling device and a level indicator, unless the instrument is installed in a fixed position.

1.5 Non-essential parts

The instrument may be connected to non-essential devices, for example but not limited to bar code readers, secondary displays, etc. provided that:

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

Other non-essential parts:

- Transport device for the supply of product;
- Transport device for the supply of empty packages;
- Transport device for the removal of packages.

2 Seals

To secure components that may not be dismantled or adjusted by the user, the automatic weighing instrument has to be secured in a suitable manner on the locations indicated in the certificates involved.

The connecting cable of the load cell or the junction box is provided with possibility to seal.

3 Conditions for conformity assessment

The marks, facilities for the marks and the inscriptions on the automatic weighing instrument fulfil the requirements of Directive 2014/32/EU.

When the instrument has been verified to weigh specific products the characteristics of these products must be recorded on the instrument.

The compatibility of load cells and indicator is established by the manufacturer by means of the compatibility of modules form, contained in EN 45501:2015 clause F.4, at the time of putting into use.