EC type-approval Certificate

Issued by	NMi Certin B.V., designated and notified by the Netherlands to perform tasks with respect to conformity modules mentioned in article 9 of Directive 2009/23/EC, after having established that the measuring instrument meets the applicable requirements of Directive 2009/23/EC, to:
Manufacturer	Tüm Elektronik Mühendislik San.Tic.Ltd.Sti. Istanbul Deri Organize Sanayi Bolgesi 1.Yol H7 Parsel, Orhanli 34956 Tuzla, Istanbul Turkey

Measuring instrument A **Non-automatic weighing instrument**

Type	:	500 or 500-SW series
Manufacturer`s mark or name	:	TEM

Further properties are described in the annex:
– Description T8486 revision 0.

Valid until   18 September 2024

Issuing Authority   **NMi Certin B.V., Notified Body number 0122**
18 September 2014

C. Oosterman
Head Certification Board

## 1	General information about the non-automatic weighing instrument

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

### 1.1	Essential parts

Indicator:

Manufacturer	Type	Certificate number
Dibal	500 or 500-SW Series	TC7762

Any load cell(s) may be used under this EC type-approval 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 2009/23/EC.
- 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 5, 11), and any particular installation requirements. A load cell marked **NH** is allowed only if humidity testing to EN45501 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.
- The load transmission must conform to one of the examples shown in WELMEC 2.4 Issue 2.

### 1.2	Essential characteristics

Accuracy class	(III)
Application	Intended to be used for direct sales to the public

Further essential characteristics are described in the certificates involved.

### 1.3	Essential shapes

The data plate is secured against removal by sealing or will be destroyed when removed.

Inside the cabinet is an adjustment lock:
- located on the CPU board for the 500 Series;
- located on the ADC board for the 500-SW series.

### 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 Directive 2009/23/EC, provided that the peripheral equipment is certified to be connected to a non-automatic weighing instrument by a Notified Body responsible for type examination under Directive 2009/23/EC, or, that the equipment and the use of the equipment complies with the requirements of WELMEC 2.5 Issue 2, 2.2.

The non-automatic weighing instrument may be equipped with an electronic Point Of Sale (POS) or an Electronic Cash Register (ECR), provided that the POS and ECR are certified to be connected to an non-automatic weighing instrument EC type-approved by a Notified Body responsible for type examination under Directive 2009/23/EC.

The non-automatic weighing instrument may be equipped with Electronic Funds Transfer equipment (EFT/ECU), if the EFT/ECU represents only the price total on the display.

The non-automatic weighing instrument is fitted with a levelling 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   Conditional characteristics

Further conditional characteristics are described in the certificates involved.

1.6   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 display's and cash drawers, provided that:
- They do not present primary data used for purposes mentioned in article 1(2)(a) of Directive 2009/23/EC 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.

2   Seals

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 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 non-automatic weighing instrument fulfill the requirements of article 1 of Annex IV of Directive 2009/23/EC.

The compatibility of load cells and indicator is established by the manufacturer by means of the compatibility of modules form, contained in WELMEC 2 Issue 5, 11, at the time of putting into use.

In case the weighing instrument is equipped with an electronic Point Of Sale the conformity assessment procedure of WELMEC 2.2 Issue 3, 2.2 shall be taken into account.