



# EU-TYPE EXAMINATION CERTIFICATE

Number: TCM 128/17 - 5490

## Addition 4

This addition replaces all previous versions of this certificate in full wording.

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**In accordance:** with Directive 2014/31/EU of the European Parliament and of the Council on the harmonization of the laws of the Member States relating to the making available on the market of non-automatic weighing instruments (implemented in Czech Republic by Government Order No. 121/2016 Coll.).

**Manufacturer:** MIW GROUP TOMASZ KOGUT Sp. k.  
ul. Smaków 9  
49-318 Skarbimierz-Osiedle  
Poland

**For:** non-automatic weighing instrument, single or multi interval or multi range  
type: 3590E, CPWE, DFW, DGT, MATRIX II, SMART, R4xx Series, C510, C520, C530, R3xx series, X3xx series, C3xx series, 1280 Enterprise series, 920i series, 880-2A, 880-2D, 880-3A, 880-3D, CW90-E, CW-90X-A, CW90X-E, SC-AX

Accuracy class: III or IIII (depending on model)

Max depending on model configuration

n depending on model configuration:

$e = \text{Max}/n$

Temperature range - 10°C / + 40°C and depending on modules configuration

**Valid until:** 27 July 2027

**Document No:** 0511-CS-A024-17

**Description:** Essential characteristics, approved conditions and special conditions, if any, are described in this certificate.

**Date of issue:** 31 July 2025

Certificate approved by:



RNDr. Pavel Klenovský

## 1 Characteristic of the weighing instrument

It is a non-automatic weighing instrument accuracy class III or IIII, self-indicating, single-interval, multi-interval or multi-range (depending on model and used modules).

The non-automatic weighing instrument equipped with the following parts:

Indicating and processing unit (Indicator)

Load receptor

Load cells

The weighing instruments can be designed as weighbridges, platform scales and crane scales and others as described in the WELMEC 2.4.

### 1.1 Main metrological characteristic

Max	depending on the configuration
n	depending on the configuration
e	= Max/n
e <sub>i</sub>	= Max <sub>i</sub> /n <sub>i</sub>
Temperature range	-10°C / + 40°C (depending on modules composition)

## 2 Essential parts

### 2.1 Indicators

Manufacturer	Type	Test certificate
Rinstrum PTY Ltd.	X3xx series	TC7419
Rinstrum PTY Ltd.	C3xx series	TC12863
Rinstrum PTY Ltd.	R3xx series	TC11437
Rinstrum PTY Ltd.	R4xx series	TC6821
Rinstrum PTY Ltd.	C510, C520, C530	GB-1466
Dini Argeo S.r.l.	3590E / CPWE / DFW / DGT	0200-WL-05741
TÉCNICAS DE ELECTRÓNICA Y AUTOMATISMOS, S.A.	MATRIX II	E-09.02.C09
TÉCNICAS DE ELECTRÓNICA Y AUTOMATISMOS, S.A.	SMART	E-03.02.C04
Rice Lake Indicators	1280 Enterprise series	TC8596
Rice Lake Indicators	920i series	TC11584
Rice Lake Indicators	880-2A, 880-2D, 880-3A, 880-3D	TC8463
Rice Lake Indicators	CW90-E, CW-90X-A, CW90X-E	TC11569
SENSOCAR S.A.	SC-AX	CEM-CY-01/0025-5.2

Note: certificate numbers are given without additions or revisions and are considered to be the latest valid versions.

#### 2.1.1 Essential characteristics

Essential characteristics of indicators are described in certificates involved.

#### 2.1.2 Interfaces

Interfaces shall comply with directive 2014/31/EU, Annex I, point 8.4 and 5.3.6 of EN 45501:2015. See also 2.1.

### 2.1.3 Software

See 2.1.

### 2.2 Load cells

Any load cell(s) may be used for instruments under this EU Type-examination certificate provided the following conditions are met:

- There is a respective certificate (TC, EC or PC) or an OIML R60 Certificate of Conformity issued for the load cell by a Notified Body responsible for type examination under Directive 2014/31/EU
- The certificate contains the load cell types and the necessary load cell data required for the manufacturer's declaration of compatibility of modules. A load cell marked NH is allowed only if humidity testing to EN 45501 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 Annex F of the EN45501:2015 at the time of EU verification or declaration of EU conformity of type.
- The load transmission must conform to one of the examples shown in the WELMEC Guide 2.4.

### 2.3 Load receptors

Constructions of load receptors shall comply with so called non-critical constructions described in WELMEC 2.4, point 3. (see also 1).

### 3 Conditions for composition of modules

The compatibility of modules must be satisfied, provided that the requirements of WELMEC 2 are met. The composition of all modules must comply with the requirements of EN 45501 point 3.5 and any ambient conditions must be taken into account (e.g. instruments placed outdoors without special protection against weather influences).

The load cell transmission must conform to one of the examples shown in the WELMEC Guide for load cells (see also point 2.2 of this certificate).

The instrument shall be fitted with a leveling device and a level indicator, unless the instrument is installed in a fixed position or it is a freely suspended instrument, for example crane or hanging instrument. The level indicator shall have a sensitivity of at least 2 mm for a tilt of 2/1000.

### 4 Non-essential devices

When non-essential device is connected to an electronic instrument through an appropriate interface the metrological qualities of the instrument shall not be adversely influenced.

### 5 Securing components and verification marks

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 relevant certificate (see 2.1).

#### 5.1 Junction box

If junction box of load cells exists it shall be secured.

### 6 CE-mark of conformity and inscription

The marks, facilities for the marks and the inscriptions on the non-automatic weighing instruments must fulfill the requirements of the Directive 2014/31/EU.

The markings: Max, Min and e shall also be shown near the display of the result if they are not already located there.

### 7 Test carried out

The assessments performed are listed in the Evaluation Report No. 6052-ER-0003-21 and No. 0511-ER-N059-25 and the tests performed on the modules / indicators are listed in the relevant certificates (Section 2.1). The non-automatic weighing instruments meet the requirements of EN 45501:2015.