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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 Precisa Gravimetrics AG
Moosmattstrasse 32
CH-8953 Dietikon
Switzerland

Measuring instrument **A Non-automatic weighing instrument**
Type : BC Carat

Further properties are described in the annexes:
– Description T8415 revision 0;
– Documentation folder T8415-1.

Valid until 5 September 2023

Issuing Authority **NMI Certin B.V., Notified Body number 0122**
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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, shall not be in conflict with the legislation.

1.1 Essential parts

The electronics;
 The mechanical assembly with load cell.

EMC protection measures:

- The A/D board is shielded with a metal cover;
- One ferrite on the cable from the DC-input to the main board (5 turns).

1.2 Essential characteristics

Accuracy class	I	II
Maximum capacity	≤ 600 ct	≤ 120 g
Verification scale interval	$e \geq 0,01$ ct	$e \geq 0,01$ g
Maximum number of scale intervals	$n \leq 60000$ divisions	$n \leq 12000$ divisions
Temperature range	$+10$ °C / $+30$ °C	
Weighing range(s)	Single interval	
Power supply voltage	9 V or 12 V supplied by an AC/DC adapter; 6 V - 9 V DC supplied by a battery.	

1.3 Essential shapes

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

- CT and CT-DB External View, drawing number 8415/0-01;
- CT-T and CT-TDB CE External View, drawing number 8415/0-02.

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

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 Directive 2009/23/EC, provided that the peripheral equipment is certified to be connected to an EC type-approved 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 comply with the requirements of WELMEC 2.5 Issue 2 Section 2.2.

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

Other non-essential parts:

- Battery;
- AC/DC-adapter.

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

2.1 The electronics

2.1.1 Essential parts

Number	Pages	Description	Remarks
8415/0-03	1	AJ/AJH Block Diagram 2	
8415/0-04	1	AJDP PCB Parts assignment	Component layout
8415/0-05	1	CT/AJ/AJH series IC list	Parts list



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2.1.2 Essential characteristics

List of devices:

- Determination stability of equilibrium;
- Zero indicator;
- Combined semi-automatic zero-setting and subtractive tare balancing;
- Combined initial zero-setting and subtractive tare balancing;
- Zero-tracking;
- Indication of stable equilibrium;
- Semi-automatic span adjustment with external calibration mass;
- Acting upon significant faults;
- Checking the display;
- Indicating device with a different scale division;
- Weight unit selection (g, ct).

2.1.3 Conditional parts

The non-automatic weighing instrument may be equipped with one or more of the following protective interfaces that have not to be secured:

- RS232.

2.2 The mechanical assembly with load cell

2.2.1 Essential parts

Number	Pages	Description	Remarks
8415/0-06	1	View of Components	
8415/0-07	1	AJ-CE, AJ-SCE, AJH-CE Mechanical Unit	

2.2.2 Essential characteristics

- $\text{Max} \leq 120 \text{ g}$;
- $e \geq 2 \text{ mg}$.

2.2.3 Essential shapes

See drawing AJ CE, AJ SCE, AJH CE Mechanical Unit, drawing number 8415/0-07.



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3 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 drawings:

- CT and CT-DB External View, drawing number 8415/0-01;
- CT-T and CT-TDB CE External View, drawing number 8415/0-02.

4 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.