EC type-approval certificate

Number **T6076** revision 7
Project number SO12200600

Issued by	NMi Certin B.V. Hugo de Grootplein 1 3314 EG Dordrecht The Netherlands
In accordance with	The Council Directive 2009/23/EC on non-automatic weighing instruments.
Manufacturer	Ishida Co. Ltd. 44, Sanno-cho, Shogoin Sakyo-ku, Kyoto-city, 606-8392 Japan
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 or not to be used for direct sales to the public. Manufacturer mark/name: Ishida or Cobos Precision S.L. Type : IPC, IPC-WP, JC or JC-WP
Characteristics	1.5 kg ≤ Max ≤ 30 kg e ≥ 1 g n ≤ 3000 divisions for single interval instruments n ≤ 1500 divisions (per partial weighing range) for multi interval instruments maximum of two partial weighing ranges T ≤ - Max_1 Temperature range -5 °C / +40 °C In the description number T6076 revision 7 further characteristics are described.
Valid until	9 July 2022
Description and documentation	The instrument is described in the description number T6076 revision 7 and documented in the documentation folder T6076-5, appertaining to this EC type-approval certificate.
Remarks	This revision EC type-approval certificate replaces the earlier versions, except for its documentation folder.

The Notified Body no. 0122
NMi Certin, 9 July 2012

C. Oosterman
Head Certification Board

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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, may not be in conflict with the legislation.

1.1 Essential parts

See drawings:
- Block diagram IPC Series, drawing number IPC-001;
- Block diagram: IPCWP, drawing number SBOXWP-007-00;

The electronics;
The mechanical assembly with load cell.

EMC protection measures:
- See drawing Block diagram: IPC Series, drawing number IPC-001.
- See drawing Block diagram: IPCWP, drawing number SBOXWP-007-00;
- A ferrite core around the cable of AC/DC adaptor near scale, when using AC/DC adaptor.
- A ground cable between the weighing frame and the main board.

1.2 Essential characteristics

Power supply: 2.4-6.0 V DC by external power supply or 3 V DC by battery.

1.3 Essential shapes

The non-automatic weighing instrument is built according to the drawings:
- Small platter type Exterior View for 3 kg and 6 kg, drawing number IPC-EX-001;
- Large platter type Exterior View for 15 kg and 30 kg, drawing number IPC-EX-002;
- IPC-WP Exterior View, drawing number SBOXWP 003-00;
- Large platter type Disassembly drawing 15 kg, 30 kg, drawing number IPC-EX-005;
- Small platter type Disassembly drawing 3 kg, 6 kg, drawing number IPC-EX-006;
- IPC-WP Disassembly, drawing number SBOXWP 005-00.

The data plate is secured against removal by sealing or will be destroyed when removed.
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 drawings:
- Sealing method, small platter type (3 kg & 6 kg), drawing number IPC-EX-009 or IPC-EX-009-01;
- Sealing method, large platter type (15 kg & 30 kg), drawing number IPC-EX-010 or IPC-EX-010-01;
- Sealing method IPC-WP, drawing number SBOXWP 008-00 or SBOXWP-008-01.

Inside the cabinet is a calibration lock, located on the main board.

1.4 Conditional parts

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

Battery;
AC/DC-adapter;
Stainless steel weigh platter cover (optional).

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
Block diagram: IPC Series	IPC-001	0	
Block diagram: IPCWP	SBOXWP-007-00	--	
Main board: List: PS-005	900-1389-05	01	Including parts list
Main board: List: PS-021	IPCWP-IC-001	01	Including parts list

2.1.2 Essential characteristics

List of devices:
- Determination stability of equilibrium;
- Zero indicator;
- Semi-automatic zero-setting;
- Initial zero-setting;
- Zero-tracking;
- Semi-automatic subtractive tare balancing;
- Indication of stable equilibrium;
- Calibration / set-up mode via a switch on the main board;
- Acting upon significant faults;
- Checking the display.

2.1.3 Non-essential parts

Display;
Keyboard.

2.2 The mechanical assembly with load cell

2.2.1 Essential parts

Description	Drawing number	Rev.	Remarks
Load cell dimensional dwg (CZL-60-C3-xxkg-1000)	IPC-EX-007	0	
Outline Load cell type C2G1-5K~50K-S05	KT51695-2	G	

2.2.2 Essential characteristics

$e \geq E_{max}/5000$, or $e_1 \geq E_{max}/5000$ in case of multi-interval instrument;
Excitation power supply 5 V DC.

2.2.3 Essential shapes

Description	Drawing number	Rev.	Remarks
Large platter type Disassembly drw 15 kg, 30 kg	IPC-EX-005	0	
Small platter type Disassembly drw 3 kg, 6 kg	IPC-EX-006	0	
IPC-WP Disassembly	SBOXWP 005-00	--	

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 of Directive 2009/23/EC.