



Australian Government  
Department of Industry,  
Innovation and Science

**National  
Measurement  
Institute**

**Interim  
Certificate of Approval  
NMI 6/14G/27**

**VALID FOR VERIFICATION PURPOSES UNTIL 1 OCTOBER 2016**

Issued by the Chief Metrologist under Regulation 60  
of the  
National Measurement Regulations 1999

This is to certify that an approval for use for trade has been granted in respect of the instruments herein described.

OCS Model HC Automatic Catchweighing Instrument

submitted by OCS Checkweigher GmbH  
Adam-Hoffmann-Strasse 26  
67657 Kaiserslautern Germany

**NOTE:** This Certificate relates to the suitability of the pattern of the instrument for use for trade only in respect of its metrological characteristics. This Certificate does not constitute or imply any guarantee of compliance by the manufacturer or any other person with any requirements regarding safety.

This approval has been granted with reference to document NMI R 51, *Automatic Catchweighing Instruments 2* dated July 2004.

**DOCUMENT HISTORY**

<b>Rev</b>	<b>Reason/Details</b>	<b>Date</b>
0	Pattern & variants 1 to 4 approved – interim certificate issued	1/04/14
1	Pattern amended (validity) – interim certificate issued	19/06/14
2	Pattern amended (validity) – interim certificate issued	30/09/14
3	Pattern amended (validity) – interim certificate issued	16/12/14
4	Pattern amended (validity) – interim certificate issued	19/06/15
5	Pattern amended (validity) – interim certificate issued	18/12/15
6	Pattern amended (validity) – interim certificate issued	21/06/16

## CONDITIONS OF APPROVAL

### General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI 6/14G/27' and only by persons authorised by the submitter.

It is the submitter's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation lodged with the National Measurement Institute (NMI) and with the relevant Certificate of Approval and Technical Schedule. Failure to comply with this Condition may attract penalties under Section 19B of the National Measurement Act and may result in cancellation or withdrawal of the approval, in accordance with document NMI P 106.

Auxiliary devices used with this instrument shall comply with the requirements of General Supplementary Certificate No S1/0B.

This approval shall NOT be used in conjunction with General Certificate No 6B/0.

### 1. Description of Pattern

**approved on 1/04/14**

An OCS model HC-SL (\*) automatic catchweighing instrument which is approved for use to weigh certain objects while in motion, for freight or postal use. Instruments and components may be known as either OCS or Wipotec units.

Instruments may be fitted with sockets (output interfacing capability) for the connection of peripheral and/or auxiliary devices.

The OCS model HC-SL is approved for use as a class Y(a) automatic catchweighing instrument with a maximum capacity of 50 kg, with a verification scale interval (e) of 0.05 kg, and with a minimum capacity of 0.25 kg.

The system operates dynamically (i.e. with the objects being weighed whilst the belt of the weighing conveyor is moving). A static mode is available for calibration purposes when the conveyor is stopped.

The speed of the weighing conveyor is up to 3 m/s.

The model HC-SL instrument comprises:

- a) A basework consisting of a load receptor with a conveyor and a belt drive motor supported by a Wipotec Weighcell model IW-B150K-FS digital load cell of 120 kg maximum capacity.
- b) The length of the load receptor/conveyor is 1500 mm. The belt width is 750 mm.
- c) A Wipotec model HC operator/indication unit mounted on a stainless steel stand. This unit has remote control software and is connected to an IPC control unit which receives data from the weighcell. The IPC controller controls operation of the instrument and processes the weight data for display on the HC terminal/indication unit.
- d) Infeed and outfeed conveyors which are provided at each end of the weigh conveyor to convey parcels onto and away from the weighing unit.
- e) Optical sensors at the infeed and outfeed ends of the weigh conveyor.

The instrument is intended for fixed installations.

## **2. Description of Variant 1**

**approved on 1/04/14**

Certain other models of the HC-SL (\*) series having a maximum capacity of up to 60 kg, and with either:

- (i) a verification scale interval of 0.02 kg and a minimum capacity of 0.1 kg, or
- (ii) with a verification scale interval of 0.05 kg and a minimum capacity of 0.25 kg.

Instruments are similar to the pattern and use the same load cell, operator terminal, and controller, and are intended for weighing dynamically.

- (\*) Abbreviated model number – the full model number may include additional alphanumeric characters as a suffix, e.g. the pattern is a model HC-SL-2-SI-c.

Instruments may have various belt lengths (up to 2100 mm), belt widths (up to 1600 mm), and belt speeds (up to 3 m/s) according to the items intended to be weighed and the particular installation.

## **3. Description of Variant 2**

**approved on 1/04/14**

Certain models of the HC-FL (\*) series having the same specifications as variant 1.

The weighing unit contains two adjacent weighing platforms each of which uses the same load cell as the pattern.

An HC operator terminal and an IPC control unit are used. The control/indication unit determines and displays a weight value from the weighing information provided by two weighing platforms either individually or in combination.

The instrument is intended for weighing dynamically.

## **4. Description of Variant 3**

**approved on 1/04/14**

Certain models of the EC-M-SL (\*) series having the same specifications as variant 1, using the same load cell and operator terminal, and are intended for weighing dynamically.

A Wipotec model EC/BD-CAN control/display unit is used.

## **5. Description of Variant 4**

**approved on 1/04/14**

Certain models of the HC-VLS (\*) series having specifications as listed below:

- a) Having a maximum capacity of 120 g, a verification scale interval of 0.5 g and a minimum capacity of 2.5 g;
- b) A Wipotec model HC operator terminal and IPC control unit are used.
- c) The weighing unit uses a Wipotec weighcell model EC3000-FS of 1500 g maximum capacity or model EC4000-FS of 3750 g capacity.
- d) The instrument is intended for weighing letters vertically and dynamically. A static mode is available for calibration purposes when the conveyor is stopped.

- (\*) Abbreviated model number – the full model number may include additional alphanumeric characters as a suffix.

Instruments may have various belt lengths (up to 650 mm), belt widths (up to 150 mm), and belt speeds (up to 4 m/s) according to the items intended to be weighed and the particular installation.

Signed by a person authorised by the Chief Metrologist to exercise their powers under Regulation 60 of the *National Measurement Regulations 1999*.

A handwritten signature in black ink, appearing to read 'A Rawlinson', with a horizontal line underneath.

**Dr A Rawlinson**

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