

# HC-IS

Technical data

OCS Checkweighers, Inc.  
2350 Hewatt Road  
Snellville, Georgia 30039  
[www.ocs-cw.com](http://www.ocs-cw.com)  
[info.usa@ocs-cw.com](mailto:info.usa@ocs-cw.com)



CHECKWEIGHERS

03GB 3G02 CFDC XX

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A Wipotec Brand



With regard to precision and throughput, HC-IS checkweighers fulfill the most exacting demands on modern, dynamic weighing systems for weighing high cylindrical and angular vessels. Electronically and mechanically, they offer an optimum platform for realising complex closed-loop control and open-loop control tasks, as well as application-specific weighing solutions to meet the strictest requirements. The PC-based controller of the HC-IS gives you our user-friendly operating philosophy. The HC-IS is a bypass weigher and is simply placed at the side on an existing conveyor. Product is transported inside the weigher by a clocked, servo-driven feeder system (star wheel). Speedy and precise weighing of the products is performed statically.

**Weighing principle**

The precision Weigh Cell works on the principle of Electro Magnetic Force Restoration (EMFR); automatic measuring time recording

**Drive technology**

Servo technology for harmonious, gentle product handling and precise (automatic) positioning on the weighing platform

**Frame**

Welded frame structure; fully lined and easy-to-clean structure conforming to GMP requirements, specially tailored to the requirements of the pharmaceuticals, chemicals and foodstuffs industry; completely integrated; solid, heavy design

**Product formats**

Basic machine equipped with a format set designed for a pre-defined product diameter and product height. Quick and simple format set change thanks to an intelligent construction. Other format sets (consisting of a star wheel, outer guide and weighing platform) are optionally available

**Display and operation**

10.4 inch TFT touch-screen, VGA resolution, black and white, optional colour monitor

**Available dialog languages**

Bosnian, Danish, German, English, Finnish, French, Dutch, Italian, Portuguese, Spanish, Turkish, Hungarian (other languages on request)

**Product parameter memory**

100 PLUs as standard; can be optionally extended to 400 PLUs

**Emergency operation**

Not necessary – the star wheel is removed in the event of a fault

**Separation**

Optional: Various fully-developed sorting units such as pushers, blowing nozzles, swivel arm for vertical separation, blocking valve etc. can be realised

**Interface**

Optionally: RS 232c, RS 422, RS 485, TTY (current loop), Ethernet (interface in the checkweigher)

**Ex version**

Optional: explosion-protected version (HC-IS-Ex) conforming to ATEX (II 2G II B T4)

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Index Scale

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<b>HC-IS</b>	<b>GWR</b> (gross weighing range)	<b>max. DL</b> (max. deadload)	<b>e ≥</b> (min. calibration value)	<b>n</b> (graduation steps)
<b>2000-2</b>	750 g	4000 g	0.1 g	7500
<b>MI</b>	200 g	600 g	0.02 g	10000
<b>EX</b>	1500 g <sup>1)</sup>	2000 g	0.2 g	7500

<b>Maximum output</b> <sup>2)</sup>	Standard version 80 units/min High-speed version 120 units/min <sup>4)</sup>
<b>Temperature range</b>	+5° C to +40° C
<b>Type approval</b>	10.49/98.01 (Germany) OIML Certificate No. R51/1996-DE-98.01
<b>Electrical connection</b> Nominal voltage Nominal frequency Connected load	L1/N/PE 230 V/115 V 50/60 Hz approx. 0.8 kVA – 1.0 kVA
<b>Compressed air supply</b>	6 bar approx. 40 NI/min Quality class 1/4/1 in acc. with DIN ISO 8573-1
<b>Weight</b> Intrinsic weight Dispatch weight	approx. 200 kg (standard machine) approx. 250 kg
<b>Protection type</b> <sup>3)</sup>	General protection type IP 54
<b>Standard deviation (1s)</b> <sup>2)</sup>	from 100 mg

<sup>1)</sup> Maximum product weight limited to 750 g depending on the application, higher product weights on request.

<sup>2)</sup> Depending on the product size, product shape, product behaviour, transport speed and ambient conditions.

<sup>3)</sup> We recommend an application-related test of the required protection type.

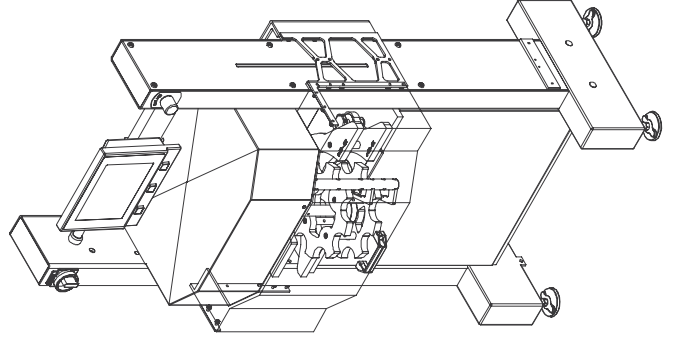
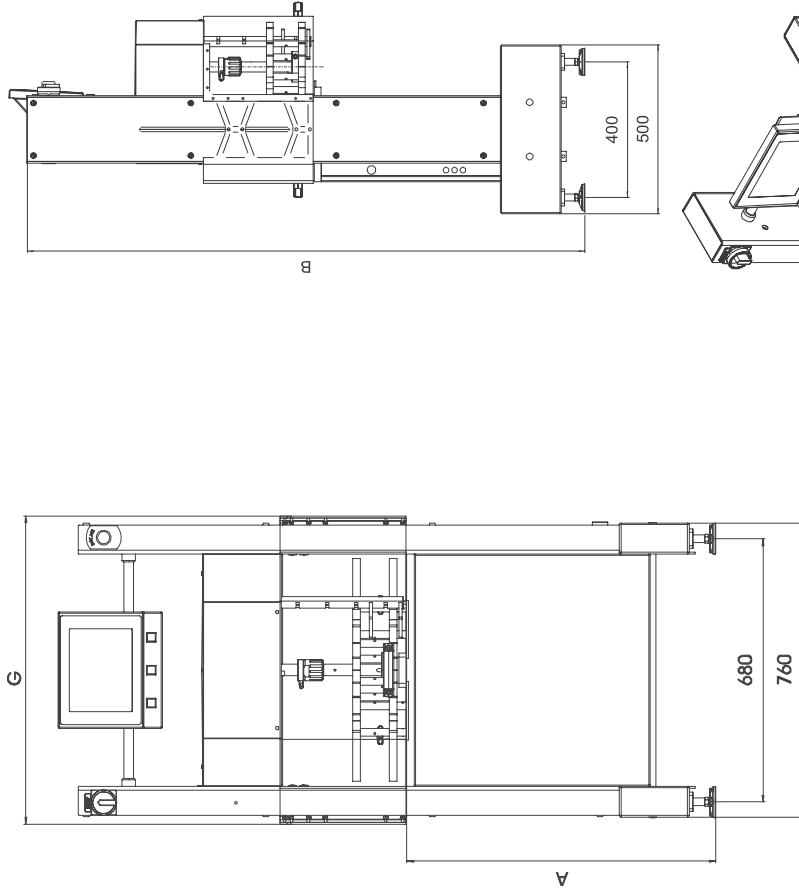
<sup>4)</sup> Single-track.

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## Dimensions:

### Valid for all HC-IS checkweighers

A = Working height	700-850 / 800-950 / 900-1050
B = Total height	approx. 1650 (+ 150 mm when the max. foot height is used)
T = Total depth	620 mm
G = Total length	810 mm

### Format ranges

	Diameter x max. height
16 star graduation	Ø 20 – 35 mm x H 200 mm
12 star graduation	Ø 35 – 50 mm x H 270 mm
8 star graduation	Ø 50 – 80 mm x H 300 mm

All measurements in mm.

These are guidelines for the standard machine without application-specific or weighing-specific attachments. The diagram shows options and special features.

