

HC-IS

Technical data

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

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

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

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

³⁾ We recommend an application-related test of the required protection type.

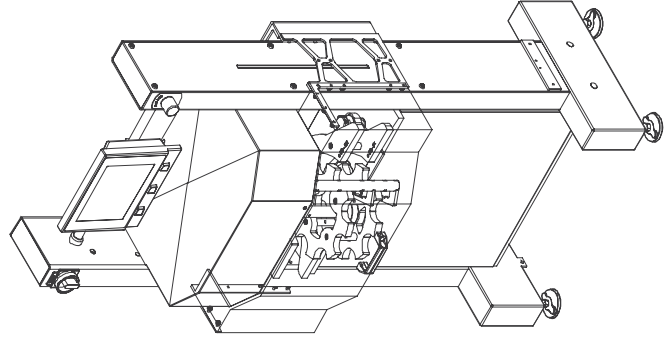
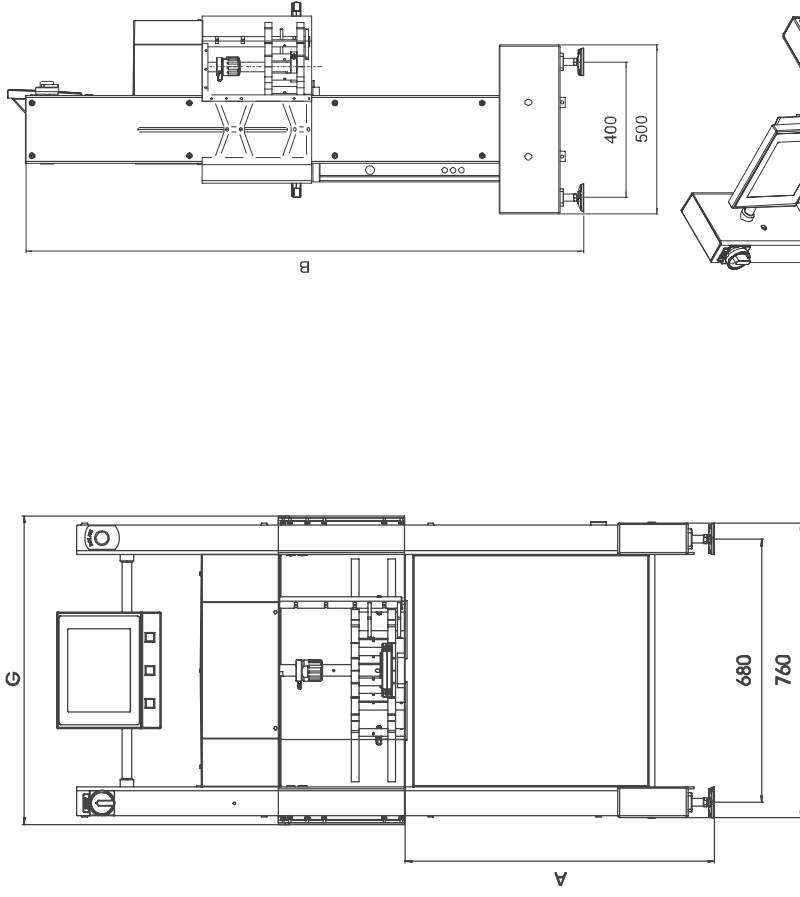
⁴⁾ Single-track.

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CHECKWEIGHERS



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.

