

# HC-A

Technical data

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A Wipotec Brand



HC-A checkweighers fulfil the most exacting demands placed on modern, dynamic weighing technology with regard to precision and throughput.

With regard to control technology and also mechanically, they offer the perfect platform for realising complex closed-loop control and open-loop control tasks, as well as application-specific solutions to meet the strictest requirements.

The HC-A continues the product and control philosophy known from its sister models. At the same time, it significantly extends the possible uses and completes the wide product range, particularly for high-end applications.

<b>Weighing principle</b>	The industrial weighing cell works on the principle of Magnetic Force Restoration; automatic measuring time; legal for trade design optional
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<b>Conveyor technology</b>	Lightweight NT30 conveyor design (V2A/anodised aluminium); changing and adjustment of the conveyors and belts without tools; stepless conveyor speed
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<b>Frame</b>	Open stainless steel frame with high integration weight and pyramid design for improved absorption of vibrations and higher precision; easy-to-clean structure for the pharmaceutical and foodstuffs industry, suitable for GMP
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<b>Display and operation</b>	Revolving and tilting 15" colour TFT display with touch-screen
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<b>Available dialog languages</b>	Bosnian, Chinese, Croatian, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Latvian, Lithuanian, Polish, Portuguese, Russian, Swedish, Slovakian, Slovenian, Spanish, Turkish (other languages on request)
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<b>Product parameter memory</b>	100 PPM standard; can be optionally extended to 200/400 PPM
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<b>Possible number of connected motors</b>	6 (infeed conveyor, precision weighing conveyor, outfeed conveyor, 3 additional motors can be connected optionally)
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<b>Emergency operation</b>	Integrated emergency operation function with hardware switch and message on screen
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<b>Rejection</b>	1 air blast or pneumatic pusher contained in basic machine; a fully-developed and wide range of sorting units such as flaps, sorting gates etc. available optionally
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<b>Interface</b>	Optionally: Ethernet, OPC, PROFIBUS, EtherNet/IP, RS-232, RS-422, RS-485, TTY (current loop)
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Please refer to the HC-A brochure for all available options or, if you like, our sales department would be glad to personally consult you.

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Basic machine

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HC-A-	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
2000-1	1500 g	4000 g	0,2 g	7500
3000-3	1500 g	8500 g	0,2 g	7500
3000-2	3750 g	8500 g	0,5 g	7500
3000-1	7500 g	8500 g	1,0 g	7500
4000-2	7500 g	15000 g	1,0 g	7500

<b>Maximum performance</b> <sup>1)</sup>	600 units per min.
<b>Temperature range</b>	+5° C to +40° C
<b>EC-certified</b>	DE-08-MI006-PTB028
<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. 10 NI/min Quality class 5/3/3 acc. with DIN ISO 8573-1
<b>Weight</b> Intrinsic weight Dispatch weight	Approx. 220 kg (standard machine) Approx. 280 kg
<b>Protection type</b> <sup>2)</sup>	IP 54 <sup>3)</sup>
<b>Standard deviation (1s)</b> <sup>1)</sup>	From 50 mg

<sup>1)</sup> Depending on product shape, product behaviour, ejection device, transport speed and ambient conditions.

<sup>2)</sup> We recommend an application-related test of the required protection type.

<sup>3)</sup> Sprayed water from above, for IP 65 full protection, see VA or WD version (IP 69K).

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## Dimensions:

Valid for all HC-A checkweighers	
A = Working height	700-850 / 800-950 / 900-1050
B = Total height	Approx. 1600 (+ 150 mm when using the max. foot height)
C = Conveyor width Roller diameter NT 30	120 / 150 / 200 / 300 / 400 <sup>4)</sup>
D = Infeed/outfeed conveyor	200 / 300 / 400 / 500 / 600
E = Weighing conveyor	200 / 250 <sup>4)</sup> / 300 / 400 / 500
F = Outfeed/infeed conveyor	200 / 300 / 400 / 500 / 600
G = Total length	D + E + F + approx. 15 mm

## Weight values:

Valid for NT-30 weighing conveyors						
Length \ Width	200	250	300	400	500	
120	2.550 g	2.700 g	2.900 g	3.300 g	3.700 g	
150	2.700 g	2.900 g	3.100 g	3.500 g	3.900 g	
200	3.150 <sup>5)</sup> g	3.350 g	3.550 g	4.100 g	4.350 g	
300	- <sup>5)</sup>	4.550 <sup>5)</sup> g	4.750 <sup>5)</sup> g	5.300 g	5.550 g	

<sup>4)</sup> optional, surcharge

<sup>5)</sup> optional as strap conveyor

All measurements in mm. The stated weights are approximate values. These measurements are guideline values for the standard machine without application-specific and weighing specific attachment parts (e.g. product bins etc.).

