

HC-M

Technical data

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A Wipotec Brand



HC-M

Basic machine

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CHECKWEIGHERS

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The type HC-M checkweigher is the ideal solution for demanding checkweighing i.e. control tasks. High weighing accuracies combined with medium and high belt speeds and flow-rates due to state-of-the-art weighing technology.

Even the basic version of the HC-M covers a very wide and varied range of applications.

A variety of options allows you to have the configuration tailored individually to your production and increases the unit's versatility still further.

Weighing principle	The industrial weighing cell works on the principle of Magnetic Force Restoration; automatic measuring time; legal for trade design optional
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Conveyor technology	Lightweight NT30 conveyor design (V2A/anodised aluminium); changing and adjustment of the conveyors and belts without tools; stepless conveyor speed
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Frame	Stainless steel base frame, easy-to-clean structure for the pharmaceutical and foodstuffs industry, suitable for GMP; high integration weight for improved absorption of vibrations
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Display and operation	Tilting 10,4" colour TFT display with touch-screen
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Available dialog languages	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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Product parameter memory	100 PPM standard; can be optionally extended to 200/400
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Possible number of connected motors	5 (infeed conveyor, precision weighing conveyor, outfeed conveyor, 2 additional motors can be connected optionally)
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Emergency operation	Integrated emergency operation function with hardware switch and message on screen
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Rejection	1 air blast contained in basic machine; a fully developed and wide range of sorting units such as pneumatic pushers, flaps, sorting gates etc. available optionally
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Interface	Optionally: Ethernet, OPC, PROFIBUS, EtherNet/IP, RS-232, RS-422, RS-485, TTY (current loop)
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Please refer to the HC-M brochure for all available options or, if you like, our sales department would be glad to personally consult you.

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HC-M-	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

Maximum performance ¹⁾	250 units per min.
Temperature range	+5° C to +40° C
EC-certified	DE-08-MI006-PTB028
Electrical connection Nominal voltage Nominal frequency Connected load	L1/N/PE 230 V/115 V 50/60 Hz Approx. 0,8 kVA
Compressed air supply	6 bar approx. 10 NI/min Quality class 5/3/3 acc. with DIN ISO 8573-1
Weight Intrinsic weight Dispatch weight	Approx. 120 kg (standard machine) Approx. 190 kg
Protection type ²⁾	IP 54 ³⁾
Standard deviation (1s) ¹⁾	From 100 mg

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

²⁾ We recommend an application-related test of the required protection type.

³⁾ 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-M checkweighers	
A = Working height	700-850 / 800-950 / 900-1050
B = Total height	Approx. 1430 (+ 150 mm when using the max. foot height)
C = Conveyor width Roller diameter NT 30	120 / 150 / 200 / 300 ⁴⁾ / 400 ⁴⁾
D = Infeed/outfeed conveyor	200 / 300 / 400 / 500 / 600
E = Weighing conveyor	200 / 250 ⁴⁾ / 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						
Width	Length	200	250	300	400	500
	120		2.550 g	2.700 g	2.900 g	3.300 g
150		2.700 g	2.900 g	3.100 g	3.500 g	3.900 g
200		3.150 ⁵⁾ g	3.350 g	3.550 g	4.100 g	4.350 g
300		- ⁵⁾	4.550 ⁵⁾ g	4.750 ⁵⁾ g	5.300 g	5.550 g

⁴⁾ optional, surcharge

⁵⁾ 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.).

