

EC-M-VA

Technical data

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CHECKWEIGHERS

08406130 CDCH XX

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EC-M-VA

Damp room version

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CHECKWEIGHERS

The Model EC-M-VA checkweigher is the ideal solution for demanding checkweighing applications in light to medium wet room environments and when wet wipe down cleaning is needed. Being of a completely stainless steel design, it fulfills the relevant hygiene requirements for these type applications. High weighing accuracies combined with medium and high belt speeds and flow-rates are achievable due to the state-of-the-art weighing technology. A variety of options allows a configuration custom-engineering to your exact production requirements, and the modular design increases the units long-term versatility.

Weighing principle The precision weighing cell works on the principle of Electro Magnetic Force Restauration (EMFR); manual or automatic measuring time recording; weighing cell in stainless steel housing with secondary cover protection

Conveyor technology Full stainless steel conveyor design with pivoting roller mount, stainless steel bearing, specially coated and encapsulated ATC bearings (optional); tool-free conveyor removal, belt removal, and belt tracking adjustment

Frame Fully welded, stainless steel, heavy-walled tubular frame design with horizontal reinforcing cross-members for maximum stability and vibration resistance

Display and operation 5.7" graphic monitor (LCD) with touch screen, monochrome

Available dialog languages 4 (English, French, German as standard and also one other freely selectable from: Croat, Dutch, Danish, Italian, Polish, Portuguese, Russian or Spanish, other languages on request)

Product parameter memory 50 PLU's standard; can be optionally extended to 80 PLU's

Possible number of connected motors 4 maintenance-free servo drive motors (infeed conveyor, precision weighing conveyor, outfeed conveyor, 1 additional conveyor); motors encapsulated in special stainless steel housing

Emergency operation Integrated emergency operation function with hardware switch and message on screen

Rejection 1 air nozzle or pusher as standard; full array of optional reject devices including parallel gates, flap conveyors, flippers, etc.; compressed air service unit and control valves encapsulated in stainless steel housing

Interface Optionally: RS 232c, RS 422, RS 485, TTY (current loop)

The accompanying brochure EC-M gives an overview of all available options.

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EC-M-VA	GWR (gross weighing range)	max. DL (max. deadload)	e ≥ (min. calibration value)	n (graduation steps)
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⁾	230 units per min.
Temperature range	+5 C to +40° C
Certified	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
Compressed air supply	6 bar approx. 10 NI/min Quality class 1/4/1 in acc. with DIN ISO 8573-1
Weight Intrinsic weight Dispatch weight	Approx. 110 kg (standard machine) Approx. 170 kg
Protection type ²⁾	General protection type IP 65 (damp room version, wet cleaning) For protection type IP 66, see NH version
Standard deviation (1s) ¹⁾	From 100 mg

¹⁾ Depending on the product shape, product behavior, transport speed and ambient conditions.

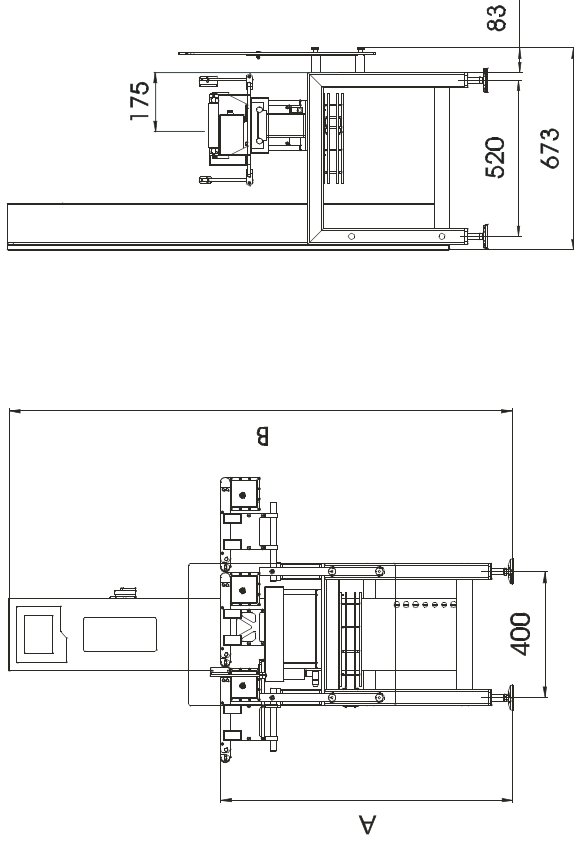
²⁾ We recommend an application-related test of the required protection type.

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CHECKWEIGHERS



Dimensions:

Valid for all EC-M-VA checkweighers	
A = Working height	700-850 / 800-950 / 900-1050
B = Total height	approx. 1580 (+ 150 mm when using the max. foot height)
C = Conveyor width Roller diameter VA30WA	120 / 150 / 200 / 300
D = Infeed/outfeed conveyor	250 / 300 / 400 / 500
E = Weighing conveyor	250 / 300 / 400
F = Outfeed/infeed conveyor	250 / 300 / 400 / 500
G = Total length	D + E + F + approx. 15 mm

Weight values:

Valid for VA30WA weighing conveyors			
Width	Length	250	300
120		5220 g	5500 g
150		5700 g	6000 g
200		6300 g	6700 g
300		³⁾ -	³⁾ -g
			8800 g

³⁾ = 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. side guide, etc.).

