



**sartorius**  
mechatronics

## Sartorius Weighing Modules Accelerating the Pace of Quality Control – Automatically



turning science **into solutions**

# Dynamize Your In-Process Quality Control

Especially for small and medium-size enterprises, production-line quality assurance is becoming increasingly important. Certainly: time is money. In the past, though, the necessarily high initial capital outlays have kept many companies from automating. Understandably, the integration of weighing modules into an existing production process often appeared to be an insurmountable hurdle.

If you agree with the above, our solution may well change your opinion, because Sartorius' WM weighing modules can take that hurdle in stride.

**WMs are standardized to the greatest possible extent, but still flexible enough for application-specific customization.**

## WM – Weighing in Motion.

### Decision bases for complete objectivity.

We have flexible, individual solutions to offer for any and all needs and purposes. All that is missing is the cost barrier that tends to come with customized approaches. Compact WM weighing modules from Sartorius give you access to a standardized, modular quality assurance system with an incomparable cost-benefit ratio – affordable access to dynamic quality control that fits your process to a T.

Sartorius weighing modules are characterized by unbeatable measuring accuracy for individual-part monitoring as well as for fill-quantity and integrity checks.

Each WM weighing module is universally adaptable and accordingly flexible for integration into an existing production line. Their straightforward, backlit displays and ease of operation ensure faultless evaluation and management of measured data with the help of a PC or some higher-order system. Downstream mechanical classifying and sorting systems are activated by appropriate signals. WM equates to effective, tireless quantity control all down the line.

WM – the fully automatic, dynamic weighing module in detail.

- Max. capacity (product weight) 120 kg
- RS-232C data interface
- Backlit display for better legibility of measured data
- Infinitely adjustable belt speed up to 60 m/min, depending on the model
- "Start belt" input signal, "belt in motion" output signal, and, with the WM quality model, "classification outputs"
- Arbitrary direction of product travel, i.e., the tending side is freely selectable
- Belt sizes up to 2,100 + 900 mm

### Typical applications

- Integrity checks
- Fill-quantity checks, average weight control
- In-process quality control
- Logistical weighing
- Automation of production processes
- Integration into production lines



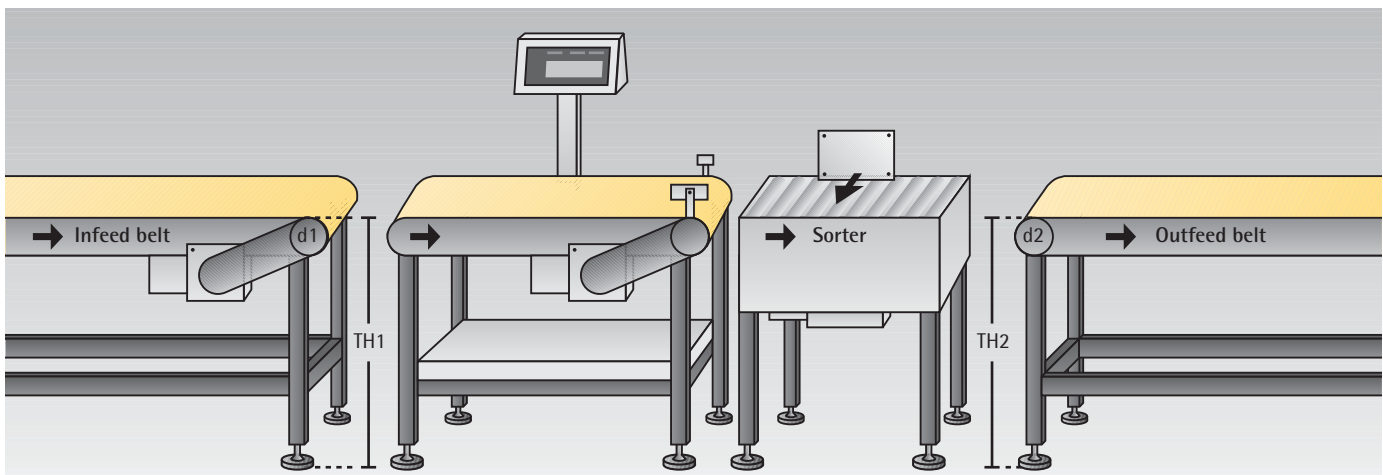
Weighing module WM6



Weighing module WM35



Weighing module WM60|WM120



Infeed: TH1 (transport height), d1 (roller diameter); outfeed: TH2 (transport height), d2 (roller diameter)

# Specifications

## Quality Series



Weighing and data output (RS-232C), classification, 25 product memory locations, relay outputs

## Optional version: SEB stainless steel



Weighing and data output (RS-232C), classification, class indication, red-green-yellow traffic-light display, 99 product memory locations, relay outputs

Model	Capacity kg	Dynamic accuracy (A) from $\pm$ g	Dynamic accuracy (typical) (A) $\pm$ g	Through-put (A) at 36 m/min.	Product center distance, min. mm	Belt speed m/min.	Conveyor belt axle centers mm	Conveyor belt width mm	Product size, max. mm (L x W)	Transport heights from/to mm
WM6DCP-I000Q	6	1	5	109	330	15-36	300	200	100 x 200	400-1,100
WM6ECP-I000Q	6	1	5	82	440	15-36	400	200	200 x 200	400-1,100
WM6EDP-I000Q	6	1	5	82	440	15-36	400	300	200 x 300	400-1,100
WM6FCP-I000Q	6	1	5	65	550	15-36	500	200	300 x 200	400-1,100
WM6FDP-I000Q	6	1	5	65	550	15-36	500	300	300 x 300	400-1,100
WM35GEP-I000Q	35	2	25	55	660	15-36	600	400	400 x 400	450-1,100
WM35IEP-I000Q	35	2	25	42	860	15-36	800	400	600 x 400	450-1,100
WM35LFP-I000Q	35	2	30	34	1,060	15-36	1,000	500	800 x 500	450-1,100
WM60MHE-I000Q	60	10	50	31	1,170	15-60	1,100	700	800 x 700	450-1,100
WM60OHE-I000Q	60	10	50	26	1,370	15-60	1,300	700	1,000 x 700	450-1,100
WM60RHE-I000Q	60	10	50	23	1,570	15-60	1,500	700	1,200 x 700	450-1,100
WM60RKE-I000Q	60	10	50	23	1,570	15-60	1,500	900	1,200 x 900	450-1,100
WM60TKE-I000Q	60	10	50	20	1,770	15-60	1,700	900	1,400 x 900	450-1,100
WM60WKE-I000Q	60	10	50	18	1,970	15-60	1,900	900	1,600 x 900	450-1,100
WM60YKE-I000Q	60	10	50	17	2,170	15-60	2,100	900	1,800 x 900	450-1,100
WM120MHE-I000Q	120	20	50	31	1,170	15-60	1,100	700	800 x 700	450-1,100
WM120OHE-I000Q	120	20	50	26	1,370	15-60	1,300	700	1,000 x 700	450-1,100
WM120RHE-I000Q	120	20	50	23	1,570	15-60	1,500	700	1,200 x 700	450-1,100
WM120RKE-I000Q	120	20	50	23	1,570	15-60	1,500	900	1,200 x 900	450-1,100
WM120TKE-I000Q	120	20	50	20	1,770	15-60	1,700	900	1,400 x 900	450-1,100
WM120WKE-I000Q	120	20	50	18	1,970	15-60	1,900	900	1,600 x 900	450-1,100
WM120YKE-I000Q	120	20	50	17	2,170	15-60	2,100	900	1,800 x 900	450-1,100

(A) Accuracy and throughput are functions of the products' weight, dimensions and on-belt behavior

## Options

Enhanced-protection enclosure, IP65 (in place of IP54)

Stainless steel indicator (display and control unit)

Stainless steel base frame (motor housing and transport system not available in stainless steel)

Remote indicator (for separate installation)

Higher belt speed available on request

Field bus or network connection (please indicate)

## Accessories

## Order No.

Sorter for connection to WM35GEP-1000Q (and for other quality models available on request)

YSU01

Interface cable for PC, 25-pin, D-Sub (5 m)

YCC01-03ISM5

Interface cable for PC, 9-pin, D-Sub (5 m)

YCC01-09ISM5

Round data connector for in-house data interface cable fabrication

69QC0010

Dust cover for Quality series display and control unit

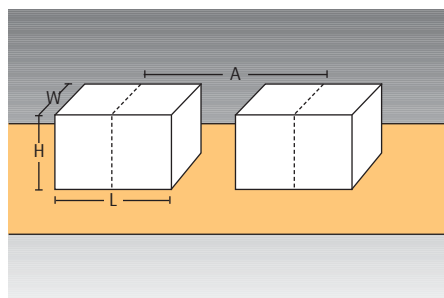
6960IB01

Dust cover for stainless steel SEB display and control unit

6960FC01

For unlisted accessories and special options/versions (e.g., different stand heights), please ask your industrial sales consultant.

## Product dimensions



L Product length up to 1,800 mm

W Product width up to 900 mm

H Product height

A Product center distance

Just ask for our project initiation sheet!

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