



sartorius

PMA.Evolution – The New PMA Standard Economic. Efficient. Effective.



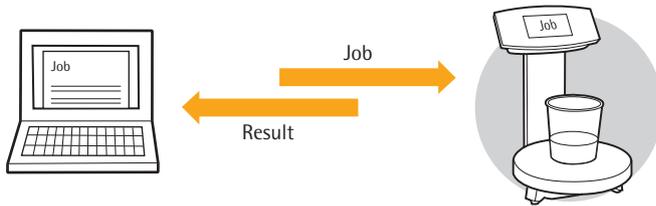
turning science **into solutions**

Efficient and Easy Paint Mixing

Increase your paint mixing efficiency while reducing your total cost of ownership: Benefit from the precise, reliable and fast results of the new PMA.Evolution. Its superior readability – both from an angle and from a distance – make it a practical and time-saving tool to work with. With a variety of accessories you can enhance the functionality and usability of this high-quality Made-in-Germany product.

Internal Mixing Module

- Integrated mixing module for PC-independent formulation processing



Integrated Applications

- Recalculation functionality in case of over-pouring a component
- Factor calculation to adapt a recipe to any desired can size
- The scale can be calibrated externally with 1 kg, 2 kg or 5 kg.
- The resolution of 0.1 g can be manually switched to 0.05 g for a range of up to 999.95 g. The fine range can be used up to the maximum capacity through taring.

Clean Work Environment



- Plane, solvent-resistant glass display and stainless steel weighing pan for easy cleaning



- Spillage-protected interface at the back of the head



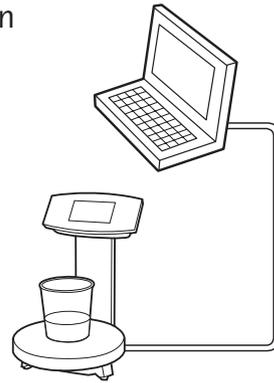
- In-use covers for display, column and weighing pan to prevent stains





Amazingly Fast Installation

- Unique one-cable solution for power and data via USB cable
- USB driver is Microsoft® certified for "plug & play" installation



New High-contrast Display



- Wide viewing angle and perfect readability, even from a distance



- Sensor touch with visual feedback



- Bargraph with zoom functionality as dosing assistance | capacity indicator

Enhanced Safety Mechanisms ▷

Compliance with International Regulations ▷

Exclusive PMA.Management Software ▷

Extended Features

Prevention of Unauthorized Usage



- Instant lock function: activated manually by pressing the lock symbol
- Communication lock function: automatic display lock if there is no ongoing communication between scale and PC



- Theft protection with fixation point on the back



Compliance with International Regulations

- Accordance with legal regulations
- Certified as explosion proof



Exclusive PMA.Management Software



- Scale settings easily adjustable with intuitive menu
- Intro text for individualized scale messages (e.g. branding)
- Basic counting application, e.g. for inventory control





sartorius

F

·0|T·

↔

Max 1500 g

d = 0.1 g

0.0 g

⏻

C

^

v

OK

Ex

PMA.Evolution

Functional Accessories

Keep your PMA.Evolution working like new for the longest time: with covers to protect your scale from paint stains and weights to recalibrate it. See what other useful accessories might be convenient for you.

In-Use covers

In-use cover for display (set of 10)	YDC03PMA10
In-use cover for column (set of 10)	YDC03PMA-CO10
In-use cover for weighing pan (set of 10)	YDC03PMA-WP10



Cables

Link cable to converter, length 10 m (32.8 ft.)	YCC01-0052M10
Link cable to converter, length 20 m (65.6 ft.)	YCC01-0052M20
Link cable to converter, length 30 m (98.4 ft.)	YCC01-0052M30
Grounding cable, 2 m (6.5 ft.)	YCC01-X046M2
USB cable, length 5 m (16.4 ft.)	YCC01-0040M5



Power supply

USB power plug 5 VDC 900 mA	YPS06-USB
AC-adapter set (US, EU, UK)	YAK01
AC- adapter set (AU, ZA, BR)	YAK02
AC- adapter set (IN, KR, CN)	YAK03



Calibration weights

External calibration weight 1 kg (class F2)	YCW614-AC-00
External calibration weight 1 kg (class F2) with DAKKS certificate	YCW614-AC-02
External calibration weight 2 kg (class F2)	YCW624-AC-00
External calibration weight 2 kg (class F2) with DAKKS certificate	YCW624-AC-02
External calibration weight 5 kg (class F2)	YCW654-AC-00
External calibration weight 5 kg (class F2) with DAKKS certificate	YCW654-AC-02



Technical Data

Metrological data

Capacity	7500 g
Readability	0.1 g
Tare range (subtractive)	-7500 g
Allowable operating temperature	5 ... 40 °C (41 ... 104 °F)
External calibration weight	1, 2, 5 kg (class F2 or better)

Dimensions | Weight

Weighing pan (∅)	233 mm
Housing (WxDxH)	233 × 321 × 341 mm
Net weight	approx. 2.4 kg

Power supply

Power supply	via USB 2.0 or higher or power plug YPS06-USB
Input voltage power consumption	5 VDC 2 W
Ex-link converter (Ex zone 1 scale only)	Energy limiting unit included

Approval Ex zone 1 | Class I, Div. 1

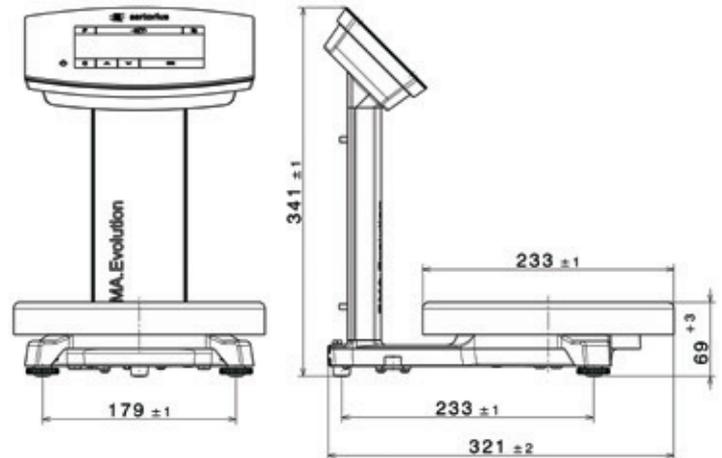
IECEX	Ex ib IIB T4 Gb
ATEX	II 2G Ex ib IIB T4 Gb
FM (USA)	IS CL I, DIV 1, GP C,D T4; CL I, Zone 1, AEx ib IIB T4
FM (CAN)	Ex ia CL I, DIV 1, GP C,D T4; Zone 1, Ex ib IIB T4

Approval Ex zone 2

IECEX	Ex ic nA IIB T4 Gc
ATEX	II 3G Ex ic nA IIB T4 Gc

IP protection

Dust and water protection rating in accordance to EN 60529 IEC 60529:	IP40
---	------



Communication

Data output	USB Type B
Protocol	Sartorius SBI XBPI
Format	7-bit ASCII, 1 Start-bit, 1 or 2 Stop-Bits
Parity	Even, odd, no parity
Transmission rates	1200 to 57,600 Bit/s
Handshake mode	Software, Hardware or None

Internal application	Integrated mixing module for one job Recalculation (correction of over-pours) Calculation by factor (0.25 – 5.0) Stand-alone recipe processing (absolute, additive) Dual range 0.05 g (up to 999.95 g) Hardware test and communication symbol
----------------------	--

User interface	High contrast display 14 segment Bargraph as dosing assistance or capacity indicator Text menu in 12 languages
----------------	--