PMA HD

When every drop counts

Simplifying Progress

SARTORIUS

High Precision Paint Mixing

The PMA HD is the ideal solution for Painters and shops where higher accuracy for smaller amounts is needed.

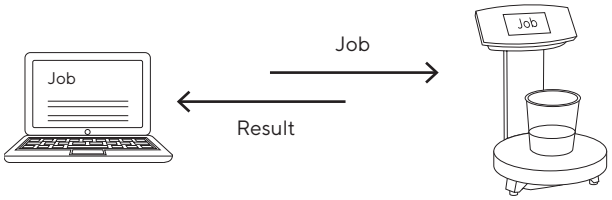
With a high 10 mg resolution, the Ex Zone 1 | Class I, Div. 1 approval and the ability to connect to your color software, the PMA HD provides the ideal specifications for fast and effective results in your color development lab.

The ergonomic design uses a smaller footprint, saving space, and the superior display and versatile power options make the PMA HD the ideal solution for your mobile repairs.

- Enhanced Safety Mechanisms
- Compliance with International Regulations
- Exclusive PMA Management Software

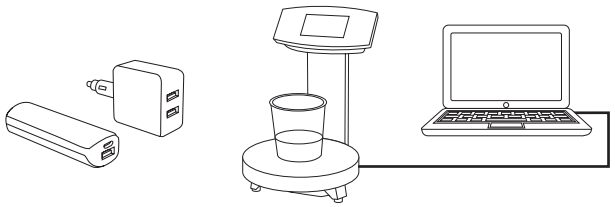
Internal Mixing Module

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 or 2 kg



Easy and Fast Installation

- Unique one-cable solution for power and data via USB cable
- USB driver is Microsoft® certified for “plug & play” installation
- Stand-alone power setup

SARTORIUS
F
>0|T<
Max 2200 g
d=0.01g
0.00 g
C
OK
3:1
4:1
5:1

Clean Work Environment

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

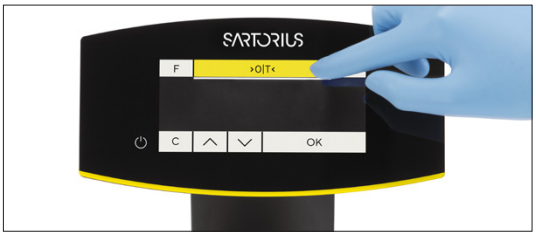
- Spillage-protected interface at the back of the head

- In-use covers for display to prevent stains

New High-Contrast Display

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

- Sensor touch with visual feedback



- Bargraph with zoom functionalityas dosing assistance | capacity indicator

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

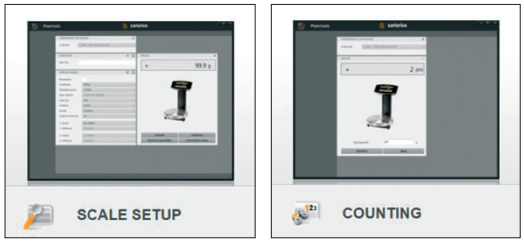
- Theft protection with fixation point on the back

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



Functional Accessories

Keep your PMA HD 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)	YDC04PMA-CO10
In-use cover for weighing pan (set of 10)	YDC04PMA-WP10

Cables	
Link cable to Ex-link converter, length 10 m (32.8 ft.)	YCC01-0052M10
Link cable to Ex-link converter, length 20 m (65.6 ft.)	YCC01-0052M20
Link cable to Ex-link converter, length 30 m (98.4 ft.)	YCC01-0052M30
Grounding cable, 2 m (6.5 ft.)	YCC01-X046M2
USB cable, length 3 m (9.8 ft.)	YCC01-0040M3

Power supply	
USB power plug 5.2 VDC | 1400 mA	YEPS01-USB
AC-adapter set (US, EU, UK)	YEPS01-PS1
AC- adapter set (AU, ZA, BR, AR)	YEPS01-PS6
AC- adapter set (IN, KR, CN)	YEPS01-PS7

Calibration weights	
External calibration weight 1 kg (class F1)	YCW613-AC-00
External calibration weight 1 kg (class F1) with DAKKS certificate	YCW613-AC-02
External calibration weight 2 kg (class F1)	YCW623-AC-00
External calibration weight 2 kg (class F1) with DAKKS certificate	YCW623-AC-02

Technical Data

Metrological data	
Capacity	2200 g
Readability	0.01 g
Tare range (subtractive)	-2200 g
Allowable operating temperature	5 ... 40 °C (41 ... 104°F)
External calibration weight	1 or 2 kg (class F1 or better)

Dimensions | Weight	
Weighing pan (Ø)	180 mm
Housing (W × D × H)	212 × 294 × 261 mm
Net weight	approx. 2.1 kg

Power supply	
Power supply	via USB 2.0 or higher or power plug YEPS01-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

IP protection	
Dust and water protection rating in accordance to EN 60529 | IEC 60529	IP40

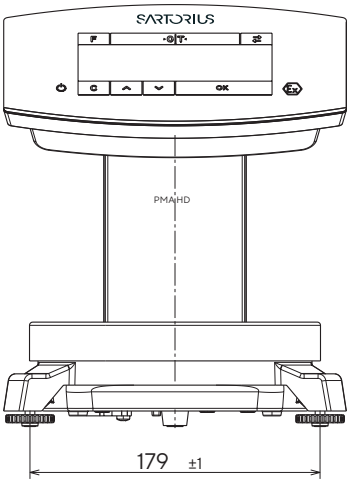
Communication	
Data output	USB | Type B
Protocol	Sartorius SBI | XBPI
Format	7-bit ASCII, 1 Start-bit, 1 or 2 Stop-Bits
Parity	Even, odd, no parity
Transmission rates	1200 to 57,600 Bit/s
Handshake mode	Software, Hardware or None

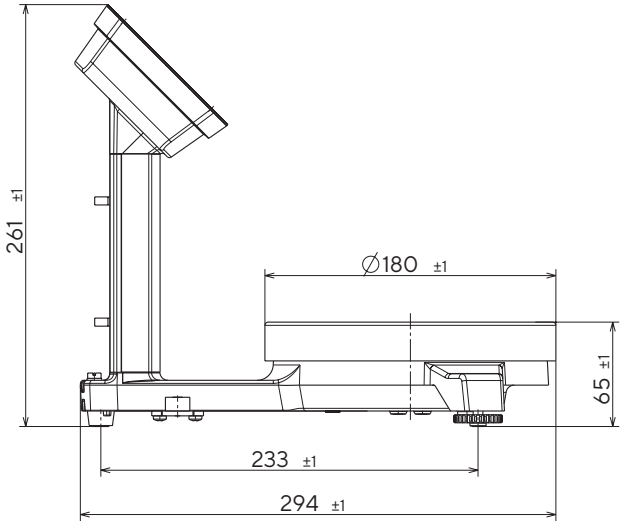
Internal application

- Integrated mixing module for one job
- Recalculation (correction of over-pours)
- Calculation by factor (0.25 – 5.0)
- Stand-alone recipe processing (absolute, additive)
- Readability switchable to 0.1 g
- Hardware test and communication symbol

User interface

- High contrast display
- Sensor touch
- Bargraph as dosing assistance or capacity indicator
- Text menu in 12 languages





Germany
Sartorius Lab Instruments GmbH & Co. KG
Otto-Brenner-Strasse 20
37079 Goettingen
Phone +49 551 308 0

USA
Sartorius Corporation
565 Johnson Avenue
Bohemia, NY 11716
Phone +1 631 254 4249
Toll-free +1 800 635 2906

For further contacts, visit
www.sartorius.com

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