PMA.HD
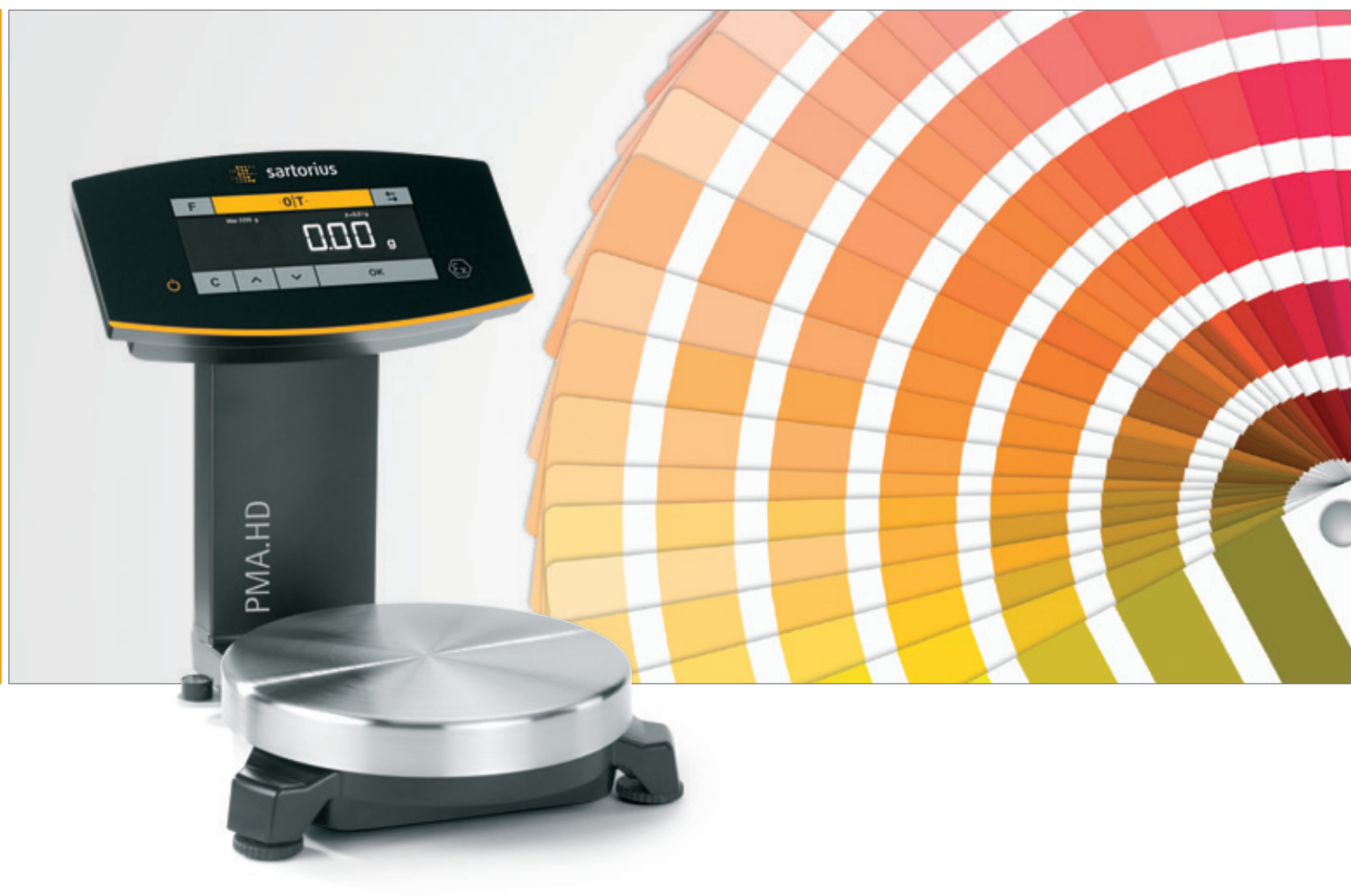## When every drop counts
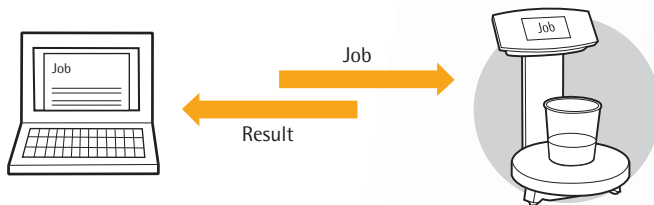
High precision Paint Mixing

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.

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 0.5 kg, 1 kg or 2 kg.

Clean Work Environment

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

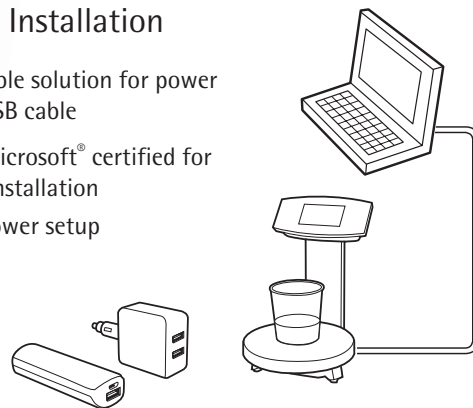- Spillage-protected interface at the back of the head

- In-use covers for display to prevent stains

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

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

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

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 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 0.5 kg (class F1)	YCW553-AC-00
External calibration weight 0.5 kg (class F1) with DAKKS certificate	YCW553-AC-02
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	0.5, 1, 2 kg (class F1 or better)

Dimensions│Weight

Weighing pan (∅)	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 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

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