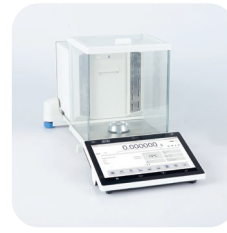




# LABORATORY BALANCES

Advanced Weighing Technologies

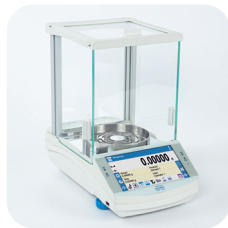
# 5Y SERIES



|  | Ultra-microbalances                                    | Microbalances  | Microbalances  | Analytical balances   |
|--|--|--|--|---|
| <b>Technical specifications</b>          | <b>UYA 5Y</b><br>UYA 5Y.F for filters                  | <b>MYA 5Y</b><br>MYA 5Y.P for pipettes<br>MYA 5Y.F for filters<br>MYA 5Y.F1 for filters                              | <b>XA 5Y.M.A</b><br><b>XA 5Y.M*</b><br>XA 5Y.M.A.P for pipettes<br>XA 5Y.M.A.S for stents                    | <b>XA 5Y.A</b><br><b>XA 5Y*</b><br>XA 5Y.F* for filters   |
| <b>Maximum capacity [Max]</b>            | 2.1 – 6.1 g  | 0.8 – 52 g   | 6 g – 53 g   | 52 – 520 g  |
| <b>Readability [d]</b>                   | 0.1 µg   | 1 – 10 µg  | 1 – 5 µg   | 0.01 – 1 mg   |
| <b>Standard repeatability [5% Max]**</b> | 0.15 – 0.2 µg  | 0.8 – 1.2 µg   | 0.6 – 1.2 µg   | 0.005 – 0.07 mg   |
| <b>Stabilization time***</b>             | 10 – 20 s  | 8 s  | 4 s  | 1.3 – 4 s, 30 s**   |
| <b>Adjustment</b>                        | Internal   | Internal   | Internal   | Internal  |
| <b>Levelling system</b>                  | Automatic – Reflex Level System                        | Automatic – Reflex Level System  | Automatic – Reflex Level System<br>*Semi-automatic LevelSENSING  | Automatic – Reflex Level System<br>*Semi-automatic LevelSENSING   |
| <b>Display</b>                           | 10" colour touchscreen                                 | 10" colour touchscreen   | 10" colour touchscreen   | 10" colour touchscreen  |
| <b>Weighing pan dimensions</b>           | UYA 5Y – ø16 mm<br>UYA 5Y.F – ø70 for filters + ø16 mm | MYA 5Y – ø26 mm<br>MYA 5Y.P – ø26 mm<br>MYA 5Y.F – ø70 for filters + ø16 mm<br>MYA 5Y.F1 – ø160 for filters + ø16 mm | XA 5Y.M.A – ø30 mm<br>XA 5Y.M – ø30 mm<br>XA 5Y.M.A.P – ø26 mm<br>XA 5Y.M.A.S – ø30 mm + intended for stents | XA 5Y.A – ø90, ø100, ø85 (option) mm<br>XA 5Y – ø90, ø100, ø85 (option) mm<br>XA 5Y.F – ø90, ø85 (option), 210×254 mm for filters |
| <b>Communication interfaces</b>          | USB-A *2, USB-C, HDMI, Ethernet, Wi-Fi®****, Hotspot   | USB-A *2, USB-C, HDMI, Ethernet, Wi-Fi®****, Hotspot   | USB-A *2, USB-C, HDMI, Ethernet, Wi-Fi®****, Hotspot   | USB-A *2, USB-C, HDMI, Ethernet, Wi-Fi®****, Hotspot  |

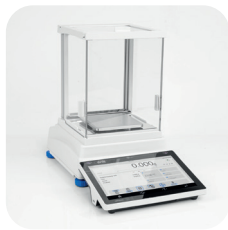
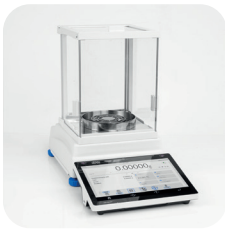
\*semi-automatic LevelSENSING Levelling System \*\*for filters \*\*\*for moisture analyzers, the given values of other parameters \*\*\*\*Wi-Fi® is a registered trademark of Wi-Fi Alliance®.

# X7 SERIES



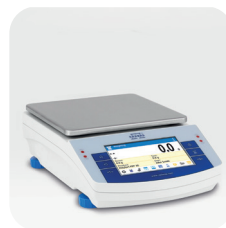
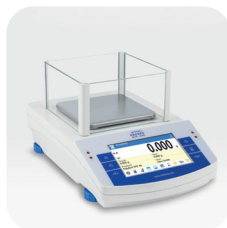
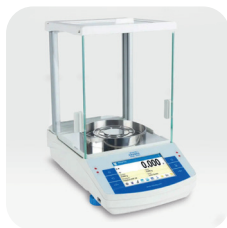
|   | Analytical balances                        | Precision balances                         | Precision balances                         | Moisture Analyzers                      |
|---|--|--|--|---|
| <b>Technical specifications</b>         | <b>AS X7</b>                               | <b>PS X7</b>                               | <b>WLC X7</b>                              | <b>MA X7</b>                            |
| <b>Maximum capacity [Max]</b>           | 60 – 3100 g                                | 200 – 10100 g                              | 0.2 – 21 kg                                | 50 – 210 g                              |
| <b>Readability [d]</b>                  | 0.01 – 1 mg                                | 1 – 10 mg                                  | 0.001 – 1 g                                | 0.1 – 1 mg                              |
| <b>Standard repeatability [5% Max]*</b> | 0.01 – 0.5 mg                              | 0.5 – 5 mg                                 | 0.0014 – 0.8 g                             | Moisture content readability 0.001 %    |
| <b>Stabilization time*</b>              | 2 – 3 s                                    | 1.5 – 3 s                                  | 2 – 3 s                                    | Drying temp. range max 160°C, 250°C     |
| <b>Adjustment</b>                       | Internal                                   | Internal                                   | Internal (up to 6 kg), External            | External                                |
| <b>Levelling system</b>                 | Semi-automatic LevelSENSING                | Manual                                     | Manual                                     | Manual                                  |
| <b>Display</b>                          | 7" colour touchscreen                      | 7" colour touchscreen                      | 7" colour touchscreen                      | 7" colour touchscreen                   |
| <b>Weighing pan dimensions</b>          | ø90, ø100, ø85 (option) mm                 | 128×128, 195×195                           | 195×195, ø100 mm                           | ø90 mm, h = 8 mm                        |
| <b>Communication interfaces</b>         | RS232, USB-A *2, USB-B, Ethernet, Wi-Fi®** | RS232 *2, USB-A, USB-B, Ethernet, Wi-Fi®** | RS232 *2, USB-A, USB-B, Ethernet, Wi-Fi®** | RS232, USB-A, USB-B, Ethernet, Wi-Fi®** |

\*for moisture analyzers, the given values of other parameters \*\*Wi-Fi® is a registered trademark of Wi-Fi Alliance®.



| Analytical balances                                  | Precision balances                                   | Precision balances                                   | Moisture Analyzers                                   | Moisture Analyzers                                   |
|--|--|--|--|--|
| <b>AS 5Y</b>   | <b>PS 5Y</b>   | <b>5Y.PM</b>   | <b>PMV 5Y</b> microwave                              | <b>MA 5Y</b>   |
| 60 – 3100 g  | 200 – 10100 g  | 10 – 120 kg  | 50 g   | 50 – 210 g   |
| 0.01 – 1 mg  | 1 mg – 10 mg   | 0.01 – 0.2 g   | 0.1 mg   | 0.1 – 1 mg   |
| 0.01 – 0.5 mg  | 0.5 – 5 mg   | 0.004 – 0.082 µg                                     | Moisture content readability 0.0001 %                | Moisture content readability 0.001 %                 |
| 2 – 3 s  | 1.5 – 3 s  | 1 s  | Heating power 800 W                                  | Drying temp. range max 160 °C, 250 °C                |
| Internal   | Internal   | Internal   | External   | Internal   |
| Semi-automatic LevelSENSING                          | Semi-automatic LevelSENSING                          | Semi-automatic LevelSENSING                          | Semi-automatic LevelSENSING                          | Semi-automatic LevelSENSING                          |
| 10" colour touchscreen                               | 10" colour touchscreen                               | 10" colour touchscreen                               | 10" colour touchscreen                               | 10" colour touchscreen                               |
| ø90, ø100, ø85 (option) mm                           | 128×128, 195×195 mm                                  | 200×185, 350×260 mm                                  | Intended for glass fibre filter ø 90 mm              | ø90 mm, h = 8 mm                                     |
| USB-A ×2, USB-C, HDMI, Ethernet, Wi-Fi®****, Hotspot | USB-A ×2, USB-C, HDMI, Ethernet, Wi-Fi®****, Hotspot | USB-A ×2, USB-C, HDMI, Ethernet, Wi-Fi®****, Hotspot | USB-A ×2, USB-C, HDMI, Ethernet, Wi-Fi®****, Hotspot | USB-A ×2, USB-C, HDMI, Ethernet, Wi-Fi®****, Hotspot |

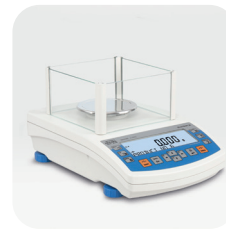
## X2 SERIES



|   | Analytical balances                        | Precision balances <sup>a</sup>            | Precision balances <sup>a</sup>            | Moisture Analyzers                      |
|---|--|--|--|---|
| <b>Technical specifications</b>         | <b>AS X2</b>                               | <b>PS X2</b>                               | <b>WLC X2</b>                              | <b>MA X2</b>                            |
| <b>Maximum capacity [Max]</b>           | 60 – 3100 g                                | 200 – 10100 g                              | 0.2 – 21 kg                                | 50 – 210 g                              |
| <b>Readability [d]</b>                  | 0.01 – 1 mg                                | 1 – 10 mg                                  | 0.001 – 1 g                                | 0.1 – 1 mg                              |
| <b>Standard repeatability [5% Max]*</b> | 0.01 – 0.5 mg                              | 0.5 – 5 mg                                 | 0.0014 – 0.8 g                             | Moisture content readability 0.001 %    |
| <b>Stabilization time*</b>              | 2 – 3 s                                    | 1.5 – 3 s                                  | 2 – 3 s                                    | Drying temp. range max 160°C, 250°C     |
| <b>Adjustment</b>                       | Internal                                   | Internal                                   | Internal, External                         | External                                |
| <b>Levelling system</b>                 | Semi-automatic LevelSENSING                | Manual                                     | Manual                                     | Manual                                  |
| <b>Display</b>                          | 5" colour touchscreen                      | 5" colour touchscreen                      | 5" colour touchscreen                      | 5" colour touchscreen                   |
| <b>Weighing pan dimensions</b>          | ø90, ø100, ø85 (option) mm                 | 128×128, 195×195                           | 195×195, ø100 mm                           | ø90 mm, h = 8 mm                        |
| <b>Communication interfaces</b>         | RS232, USB-A ×2, USB-B, Ethernet, Wi-Fi®** | RS232 ×2, USB-A, USB-B, Ethernet, Wi-Fi®** | RS232 ×2, USB-A, USB-B, Ethernet, Wi-Fi®** | RS232, USB-A, USB-B, Ethernet, Wi-Fi®** |

\*for moisture analyzers, the given values of other parameters \*\*Wi-Fi® is a registered trademark of Wi-Fi Alliance®.

# R SERIES



|   | Analytical balances              | Precision balances               | Precision balances                      | Moisture Analyzers                   |
|---|----------------------------------|----------------------------------|---|--------------------------------------|
| <b>Technical specifications</b>         | <b>AS R1 PLUS<br/>AS R2 PLUS</b> | <b>PS R1<br/>PS R2</b>           | <b>PS R2.H</b> hermetic interfaces      | <b>MA R</b>                          |
| <b>Maximum capacity [Max]</b>           | 60 – 3100 g                      | 200 – 10100 g                    | 200 – 6100 g                            | 50 – 210 g                           |
| <b>Readability [d]</b>                  | 0.01 – 1 mg                      | 1 mg – 10 mg                     | 1 mg – 10 mg                            | 0.1 – 1 mg                           |
| <b>Standard repeatability [5% Max]*</b> | 0.012 – 0.08 mg                  | 0.5 – 5 mg                       | 0.5 – 5 mg                              | Moisture content readability 0.001 % |
| <b>Stabilization time*</b>              | 2 – 2.5 s                        | 1.5 – 2 s                        | 1.5 – 2 s                               | Drying temp. range max 160°C, 250°C  |
| <b>Adjustment</b>                       | R2 – Internal, R1 - External     | R2 – Internal, R1 - External     | Internal                                | Internal                             |
| <b>Levelling system</b>                 | Manual                           | Manual                           | Manual                                  | Manual                               |
| <b>Display</b>                          | LCD (backlit)                    | LCD (backlit)                    | LCD (backlit)                           | LCD (backlit)                        |
| <b>Weighing pan dimensions</b>          | ø90, ø100, ø85 (option) mm       | 128×128, 195×195 mm              | ø100 mm                                 | ø90 mm, h = 8 mm                     |
| <b>Communication interfaces</b>         | RS232 ×2, USB-A, USB-B, Wi-Fi®** | RS232 ×2, USB-A, USB-B, Wi-Fi®** | Hermetic: RS232, USB-A, USB-B, Wi-Fi®** | RS232, USB-A, USB-B, Wi-Fi®**        |

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# OTHER LABORATORY BALANCES



|  | Precision balances                                | Precision balances                       | Precision balances                                      | Precision balances                         |
|--|---|--|---|--|
| <b>Technical specifications</b>        | <b>CY10</b>                                       | <b>C32.PM</b>                            | <b>WLY</b>  | <b>WLC C/2<br/>WLC<br/>WTC</b>             |
| <b>Maximum capacity [Max]</b>          | 1 – 120 kg  | 10 – 120 kg                              | 1 – 120 kg  | 0.2 – 10 kg                                |
| <b>Readability [d]</b>                 | 0.01 g – 2 g                                      | 0.01 – 0.2 g                             | 0.01 – 2 g  | 0.001 – 1 g                                |
| <b>Standard repeatability [5% Max]</b> | 0.03 – 2 g  | 0.41 – 0.082 g                           | 0.03 – 2 g  | 0.002 – 1 g                                |
| <b>Stabilization time</b>              | 3 s   | 1 s                                      | 3 s   | 2 s  |
| <b>Adjustment</b>                      | External  | Internal                                 | External  | External                                   |
| <b>Levelling system</b>                | Manual  | Manual                                   | Manual  | Manual                                     |
| <b>Display</b>                         | 10" colour touchscreen                            | 5" colour                                | 5.7" colour touchscreen                                 | LCD (backlit)                              |
| <b>Weighing pan dimensions</b>         | 195×195, 300×300, 400×500 mm                      | 200×185, 350×260 mm                      | 195×195, 300×300, 400×500 mm                            | 128×128, 195×195, 300×300, 400×500 ø100 mm |
| <b>Communication interfaces</b>        | USB-A ×2, USB-C, HDMI, Ethernet, Wi-Fi®*, Hotspot | 2×RS232, USB-A, USB-B, Ethernet, Wi-Fi®* | 2×RS232, 2×USB-A, Ethernet, 4IN/4OUT (digital), Wi-Fi®* | 2×RS232, USB-A, USB-B, 4IN/4OUT            |

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