

XPR Micro-Analytical Balances

Direct Dosing of Very Small Samples



Static-Free Samples

StaticDetect™ measures the weighing error due to electrostatic charging and provides a warning if tolerances are exceeded. In combination with the optional external ionizer, you have a unique solution that guarantees static-free weighing.



Right-First-Time Results

The integrated StatusLight™, LevelControl and GWP Approved work actively together to ensure all the relevant conditions for correct weighing are satisfied, giving you the reassurance that your results are valid.



Economical Sample Use

XPR micro-analytical balances are capable of weighing down to USP minimum weights of 1.2 mg at 52 g capacity. You only need to use the tiniest amounts of expensive, rare and potent substances.



Effortless Data Integrity

Connect all your Excellence laboratory instruments to LabX software for full support with regulatory compliance. LabX helps you meet FDA ALCOA+ requirements for data integrity.



XPR Micro-Analytical Balances Go Beyond Weighing

With capacity up to 52 g, samples as small as of 1.2 mg (according to USP) can be conveniently weighed out into larger containers or labware of different sizes, simplifying weighing processes and avoiding the need for sample transfer. The extremely high accuracy and low minimum weight lead to considerable material and cost savings.

Optional accessories make it easy to customize your XPR micro-analytical balance to perfectly fit your process needs.

XPR Micro-Analytical Balances – Technical Specifications

| | XPR36C | XPR36 | XPR36DR | XPR56C | XPR56 | XPR56DR |
|---|---------------------------------------|-----------|----------------------|---------------------------------------|-----------|----------------------|
| Material number | 30594503 | 30594493 | 30594498 | 30355547 | 30355535 | 30355539 |
| Limit values | | | | | | |
| Maximum capacity (full range/fine range) | 32 g | 32 g | 32 g/8.1 g | 52 g | 52 g | 52 g/11 g |
| Readability (full range/fine range) | 0.001 mg | 0.001 mg | 0.01 mg/ 0.001 mg | 0.001 mg | 0.001 mg | 0.01 mg/ 0.001 mg |
| Repeatability, 5% load | 0.001 mg | 0.0015 mg | 0.002 mg | 0.001 mg | 0.0012 mg | 0.002 mg |
| Linearity deviation | 0.012 mg | 0.012 mg | 0.02 mg | 0.02 mg | 0.02 mg | 0.03 mg |
| Typical values | | | | | | |
| Repeatability, 5% load | 0.0006 mg | 0.0007 mg | 0.001 mg | 0.0006 mg | 0.0007 mg | 0.001 mg |
| Linearity deviation | 0.005 mg | 0.005 mg | 0.008 mg | 0.005 mg | 0.005 mg | 0.008 mg |
| Sensitivity offset, nominal load | 0.06 mg | 0.06 mg | 0.08 mg | 0.08 mg | 0.08 mg | 0.08 mg |
| Minimum weight (k=2, U=1%) ¹⁾ | 0.12 mg | 0.14 mg | 0.2 mg | 0.12 mg | 0.14 mg | 0.2 mg |
| Minimum weight (according to USP) ¹⁾ | 1.2 mg | 1.4 mg | 2 mg | 1.2 mg | 1.4 mg | 2 mg |
| Settling time | 3.5 s | 3.5 s | 2.5 s | 3.5 s | 3.5 s | 2.5 s |
| Dimensions | | | | | | |
| Weighing pan size (mm) | ∅ 35; 40×40 | 40×40 | 40×40 | ∅ 35; 40×40 | 40×40 | 40×40 |
| Draft shield, W×D×H (mm) | 83×83×115 | 83×83×115 | 83×83×115 | 83×83×115 | 83×83×115 | 83×83×115 |
| Weighing pan type | SmartGrid, Hanging weighing pan | SmartGrid | SmartGrid | SmartGrid, Hanging weighing pan | SmartGrid | SmartGrid |

¹⁾ Minimum weight typical at 5% load

Features

| Accurate Results | Efficient Operation | Quality Assurance | Seamless Process |
|--|---|---|---|
| <ul style="list-style-type: none"> Active Temperature Control system (ATC™) proFACT Advanced internal adjustment Compact ionizer ready StaticDetect™ | <ul style="list-style-type: none"> 7" color touchscreen with gesture control (glove compatible) ErgoClip for direct dosing SmartSens for touch-less door operation SmartTrac dosing guide SmartGrid weighing pan Built-in results notepad Storage of methods Automatic draft shield doors | <ul style="list-style-type: none"> GWP Approved built-in quality monitoring MinWeigh warning function Balance ready StatusLight LevelControl: Level warning with graphical levelling guide Tolerance profiles User management Adjustment and routine test history Change history function | <ul style="list-style-type: none"> LabX ready Calibry ready Multiple ports for easy connectivity and data export: 4 × USB, 1 × LAN |

Other Selected Accessories

| | |
|---|----------|
| Compact external ionizer with stand | 30499859 |
| P-58RUE printer (thermal printer for label and protocol printing) | 30094674 |
| P-56RUE printer (thermal printer for protocol printing) | 30094673 |
| P-52RUE printer (dot matrix printer for protocol printing) | 30237290 |
| Bluetooth adapter for printer (P-58, P-56, P-52) | 30086494 |
| Bluetooth USB adapter for balance | 30416089 |
| Barcode reader USB | 30417466 |
| USB-RS232 converter | 64088427 |

CarePacs on www.mt.com/carepacs

View the full range of accessories online at www.mt.com/lab-accessories

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