

XP Precision Balances
for secure weighing processes

Full compliance
High productivity
Amazing solutions

- Performance Class**
- Areas of Application**
- For unmatched weighing performance in quality control, production and research (e.g. GxP, FDA, BRC)
 - In regulated areas (e.g. GxP, FDA, BRC)
 - Where process security is important (MinWeigh)
 - Multiple users with individual profiles and languages
 - When handling toxic substances (e.g. in fume hoods)
 - In harsh environments (IP54 required)
 - For systems integration
 - Data management according to 21 CFR Part 11 and LIMS connectivity
 - For applications like piece counting, statistics, formulation, percent and dynamic weighing as well as density determination
 - When easy cleaning is important

Main Features

- MonoBloc™™™™** High-performance technology for outstanding weighing performance.
- SmartSense™™™™** For hands-free operation.
- SmartScreen™™™™** Color touchscreen display with user-guidance for convenient and error-free operation.
- QM toolbox™™™™** For maximum security in regulated environments.
- MinWeigh™™™™** Warns if the sample weight is below the defined minimum weight.
- LevelControl™™™™** Warns when the balance is not leveled.
- User Management™™™™** Saves time and helps prevent mistakes. Enter up to 8 different user profiles with individual access rights, option of deactivating profiles and functions that are not being used.
- GxP – compliant documentation™™™™** Seamless documentation according to GxP, easily and flexibly configurable, Alphanumeric sample identification.
- proFACT™™™™** Fully automatic internal adjustment.
- IP54 in use™™™™** Protection against dust and water.
- Reliability™™™™** For smooth daily operation. Built of solid metal, resistant to chemicals.
- Connectivity™™™™** Complete flexibility through 7 interface options, including Bluetooth and Ethernet.
- DeltaFree™™™™** Graphically displays the remaining available capacity. Three options, with weighing-in-aid in color.
- FreeWeigh™™™™** Connectivity to FreeWeigh. Net for optimal process control.
- AAA™™™™** Comprehensive range of built-in applications.

Know one – know all. Consistent touchscreen user interface across all product lines. Increases efficiency and reduces training costs.

High-resolution Precision Balances

Readability	Model	Weighing Range	Weighing Pan (mm)	Price
0.0001 g	XP2045* XP4045* XP4045 SubRange*	200 g 400 g 600 g 800 g 1000 g 2000 g 4000 g 6000 g 8000 g 10000 g 210g 410g	Ø 90	
0.001 g	XP2035* XP6035* XP12035* XP2003S SubRange* XP9003S SubRange*	210g 610g 1210g 5100g 5100g	127x127	
0.01 g	XP12025* XP40025* XP90025* XP8002S* XP10002S* XP10002S SubRange*	1210g 4100g 6100g 6100g 8100g 10100g 10100g	170x205	
0.1 g	XP40015* XP80015* XP80015* XP100015*	4100g 6100g 8100g 10100g	190x223	

■ Readability 0.0001 g
■ Readability 0.001 g
■ Readability 0.01 g
■ Readability 0.1 g
■ Readability 1 g

* Platform available as stand-alone
DeltaRange™™™™ Ten-times higher readability over the entire weighing range. This line range covers 20% of the coarse range.

XS Precision Balances
for high weighing efficiency

Fast, reliable and easy to use

- Performance Class**
- Areas of Application**
- For top weighing efficiency in research and production
 - In harsh environments (IP54 required)
 - For applications like piece counting, statistics, formulation, percent and dynamic weighing as well as density determination
 - When easy cleaning is important

Main Features

- MonoBloc™™™™** High-performance technology for outstanding weighing performance.
- Reliability™™™™** For smooth daily operation. Built of solid metal, resistant to chemicals.
- Touchscreen display™™™™** For easy and fast operation.
- FACT™™™™** Fully automatic internal adjustment.
- GxP – compliant documentation™™™™** Seamless documentation according to GxP, easily and flexibly configurable, Alphanumeric sample identification.
- IP54 in use™™™™** Protection against dust and water.
- Connectivity™™™™** Complete flexibility through 7 interface options, including Bluetooth and Ethernet.
- DeltaFree™™™™** Graphically displays the remaining available capacity.
- AAA™™™™** Built-in applications.

High-capacity Precision Balances

Readability	Model	Weighing Range	Weighing Pan (mm)	Price
0.01/0.1/1 g	M platform XP8002M SubRange* XP12002M SubRange* XP8001M* XP12001M* XP16001M* XP20001M* XP2000M* XP20000M*	6000 g 8000 g 16000 g 32000 g 64000 g 6100g 12100g 8100g 8100g 16100g 20100g 12100g 20100g	237x237 mm	
0.1/1 g	L platform XP8001L* XP16001L* XP32001L* XP32001L SubRange* XP84001L* XP1600L* XP3200L* XP8400L*	8100g 16100g 32100g 32100g 64100g 16100g 32100g 64100g	360x280 mm	
0.1/1 g	M platform XS8001M* XS8001M SubRange* XS10001M* XS16001M* XS10000M* XS19000M*	8100g 6100g 10100g 16100g 10100g 16100g	237x237 mm	
0.1/1 g	L platform XS8001L* XS16001L* XS32001L* XS32001L SubRange* XS1600L* XS3200L*	8100g 16100g 32100g 32100g 16100g 32100g	360x280 mm	

■ Readability 0.01 g
■ Readability 0.1 g
■ Readability 1 g

* Platform available as stand-alone
DeltaRange™™™™ Ten-times higher readability over the entire weighing range. This line range covers 20% of the coarse range.

For more information visit www.mt.com/Excellence-precision

Software

LabX Balance

Faster, more reliable weighing processes with LabX balance

Take a step forward and make yours the "Lab of the Future" by eliminating paper archives and networking your balances with powerful and reliable PC software. LabX balance lets you capture your weighing data automatically and manage your instruments optimally.

With Rapid Access you can forget about the computer!
The "Rapid Access" function lets you access LabX directly from the touch screen of your balance. You can perform weighing operations even if you have never used a PC! The data is rapidly transferred to an SQL database without transcription errors from where it can be exported to systems of third-party suppliers.

Quality assurance in your weighing processes.
Give your balance the priority it deserves in your quality assurance system! LabX monitors your instruments efficiently and disables any balances which do not fulfil the desired criteria. LabX pro provides you with all the tools you need to comply with FDA guidelines (21 CFR Part 11) and includes detailed documentation.

	LabX pro balance	LabX light balance
Client server networking	•	•
Control of multiple instruments	•	•
Instrument management	•	•
21 CFR Part 11 support	•	•
Direct access from balance (RapidAccess)	•	•
Real-time online view/control	•	•
2D method editor	•	•
Automatic statistics/control charts	•	•
Report generator	•	•
LIMS connectivity	•	•

More information at www.mt.com/LabX

FreeWeigh.Net

Online SQC System – FreeWeight.Net

Quality assurance system for statistical monitoring of the net weights in filling processes in production. This PC-based software system allows networking of balances, control balances and other measuring instruments for random sampling of weights and other parameters for evaluation of the process quality. The data is stored in a central SQL database and displayed numerically and graphically on the screen as well as printed out on reports in up to 8 different statistical periods.

- Minimization of overfilling
- Compliance with minimum legal quantity
- Fulfillment of 21 CFR Part 11 requirements in pharmaceutical areas
- Suitable for validated processes
- **Direct connectivity to XP balances which have Remote Option**

Accessories



Bluetooth printer BT-P42
With wireless connection to the balance.

KS232 printer SS-P42

GXP-compliant reporting
Configuring report headers and identifying samples is done easily using the touch-screen display.

ErgoSens

Freely positionable optical sensor for hands-free operation of the XP and XS balances.

Terminal stand

To save space and protect it from dirt, the terminal can also be mounted on a stand.

OIML weights

For the systematic inspection, test and control of balances, we offer a comprehensive assortment of METTLER TOLEDO OIML weights.

For more information visit www.mt.com/weights

ServiceXXL

Because you want results, not promises.

ServiceXXL assures the daily operating certainty and constant performance of your balance for years. Our global service network employs 1200 highly trained and experienced service technicians to provide cost-effective service solutions. Our goal is to ensure the availability of your balances and guarantee full traceability of your results and processes.

In the area of **Equipment Qualification (EQ)** we offer the following services which guarantee full regulatory compliance:

DQ

make the right choice

- Define requirements
- Quality supplier



The importance of the Design Qualification is often underestimated. Because we know the potential negative consequences, we have developed decision aids that make it easier for you to choose the right balance. Contact your sales representative and let yourself be guided through the DQ process.

IQ/OQ/PQ

ensure qualified installation

- Immediate start-up
- Assure operation according to requirements



With the iPC you ensure professional installation and Initial Qualification of your balance. iPCs are especially suitable for integration of your balance into an existing quality management system. In addition, activation of MinWeigh ensures that you always stay within defined limits.

MQ

protect your investment

- Optimize up-time
- Ensure accuracy and traceability



Regular servicing by a METTLER TOLEDO service technician guarantees high availability of your balance and seamless traceability of your measurement results. It also ensures that your balance documentation is regularly updated and that you benefit from effective control of costs.

www.mt.com/servicexxl

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MCO Marketing Guidelines

Excellence Balances



METTLER TOLEDO
Precision Balances
of the Excellence Level

Guidelines for Selecting the Right Precision Balance

METTLER TOLEDO

Your Requirements?

Our Solutions.

Regulatory compliance
Do you work in a regulated environment (e.g. FDA, USP, GMP)?
Is the balance part of a QM system?
Are you required to document what is weighed, when and how it is weighed, and who weighs it?



QM Toolbox for maximum security in regulated environments.
MinWeigh warns you when your sample weight is below the defined minimum weight.
LevelControl warns when the balance is not level.
BalanceCheck automatically prompts to check the balance with external weights.

► Model: **XP**

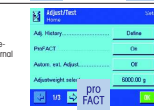


Ultimate measurement certainty
Would you like your balance to adjust automatically, before you begin work, so you can improve your measurement certainty and productivity?



ProFACT
Automatic, freely configurable time- and/or temperature-controlled internal adjustment.

► Model: **XP**



Hazardous materials
Do you work with toxic substances? Is it important for you that users be protected?



SmartSens
Weigh without touching the balance! Tare, weigh, print, and much more hands-free operation for everything. You can focus completely on the sample and weigh hazardous materials safely and without spillage.

► Model: **XP**



High productivity
Do you weigh many times a day? Would you like to increase your weighing productivity?



SmartScreen and **User Management**
Color display with touchscreen control, configuration of up to 8 user profiles with individual access rights. Option to deactivate profiles and applications that are not being used.

► Model: **XP**



User profiles and access rights
Do different users work on one balance? Would it help if individual profiles and/or access rights could be set up per user, in his preferred language?



SmartScreen and **User Management**
Color display with touchscreen control, configuration of up to 8 user profiles with individual access rights. Option to deactivate profiles and applications that are not being used.

► Model: **XP**



Weighing efficiency for daily routine
The above requirements don't apply to your working environment, but you still need a balance that helps you achieve the highest efficiency in your daily routine?



MonoBlock® weighing technology
FACT
Touchscreen display
Rugged design (IP54 in use)
7 built-in applications
7 interface options, incl. Bluetooth and Ethernet!

► Model: **XS**



Comprehensive data management
Are you required to store your results in a database? Do you work in accordance with 21 CFR Part 11?



LabX balance
PC software for instrument and data management.

► LabX pro balance
► LabX light balance

