Efficient and Reliable Quality Assurance
With Good Measuring Practices
**Process Reliability**

**With Good Measuring Practices**

Good Measuring Practices by METTLER TOLEDO is a global program supporting you in laboratory and production environments with quality assurance measures for weighing, titration and pipetting.

By focusing on processes and their associated requirements and risks, Good Measuring Practices provide guidelines to help ensure that reliable measuring methods are integral to your quality management system.

**Risk Control and Cost Optimization**

Good Measuring Practices offer solid guidance for evaluating process risks and determining the optimal testing and maintenance schemes for your measuring devices. By improving instrument performance you minimize process risk, gain greater confidence during internal and external audits and optimize your total cost of ownership. The guidelines are extremely useful in implementing a sound quality management system and maintaining the quality of your processes.

**Comprehensive Lifecycle Approach**

Good Measuring Practices cover the five key steps of any instrument’s life cycle:

- Evaluation
- Selection
- Installation/Training
- Calibration/Qualification
- Routine Operation.

For all these steps, Good Measuring Practices provide effective measures to maximize operational security and minimize testing cost and process risk.

**Guaranteed Quality**

Good Measuring Practices by METTLER TOLEDO guarantee better weighing, titration and pipetting results, providing in-depth instrument, application and compliance expertise.

**Safe Audits**

The program provides qualification and calibration certificates, documenting the necessary performance verification of all equipment in audit-proof reports.

**Reduced Costs**

Proposed testing strategies are cost-optimized yet safe and are based on a risk assessment of the relevant parameters:

- instrument functionalities
- process requirements
- environmental influences
Minimized Risks
The Good Measuring Practices program is designed to assist you in defining and implementing operational methods to assure accurate results and fulfill regulatory requirements.

Optimized Operational Efforts
Optimized testing scenarios involving both the instrument operator and the METTLER TOLEDO Service team ensure sustainable measuring quality and production processes at all times.

Good Measuring Practices
Risk-based guidelines for weighing, titration and pipetting from METTLER TOLEDO empower you to make the right decision when it really matters. Enjoy confidence in your process safety and instrument performance day in, day out, knowing that you fully comply with the regulatory norms of your industry. Good Measuring Practices guidelines satisfy all your needs for quality assurance, providing you with peace of mind at all times!

Good Measuring Practices
▶ www.mt.com/GP
Comprehensive Lifecycle Management
Five Steps to Improved Measuring Results

The five steps of all Good Measuring Practices guidelines start with an evaluation of the measuring needs of your processes and their associated risks. We also take into account regulatory requirements and norms relevant to your industry. With this information, Good Measuring Practices provide straightforward recommendations for selecting, installing, calibrating and operating weighing, titration and pipetting systems.

Routine Operation
To assure continuous process safety, your instruments need regular performance verification and calibration. The Good Measuring Practices guidelines provide you with clear recommendations for optimal routine testing and maintenance.

Calibration/Qualification
Trust our manufacturer-trained METTLER TOLEDO Service team when it comes to calibrating and qualifying your instruments. Our expertise assures compliance with your process requirements and your industry’s regulations and norms.
Evaluation
It all starts with a detailed understanding of your process flows and the criteria required for consistently achieving highest quality of your applications.

Selection
Our application experts support you in choosing the ideal combination of instrument and measuring technology to best match your process needs.

Installation/Training
Professional installation, commissioning and user familiarization provide maximum efficiency in your processes. Right from day one, you will enjoy every confidence in your new device and master it with professional skills.
Guaranteed Better Weighing Results
At Your Fingertips with GWP®

GWP®, the global weighing guideline, provides you with sustainable quality and security in your weighing processes.
- Guaranteed quality
- Secure audits
- Reduced costs
- Minimized risk

GWP® helps you to assure consistent product quality and to avoid out-of-spec results or bad production batches. With Good Weighing Practice™ you comply with all regulations applicable to your weighing process – at an optimal investment of time and money.

With its risk-based approach, GWP® helps you to make the right decisions when it really matters, covering all important stages of the weighing process.

**Understanding your weighing process**
The GWP® guideline helps you evaluating your needs in a professional way.
Your benefits:
- Use a clear set of selection and documentation criteria.
- Receive a GWP® Recommendation that summarizes your needs in one piece of documentation.

**Optimal match for perfect quality**
You select the right balance or scale meeting your process requirements - not more, not less.
Your benefits:
- The instrument’s accuracy matches your process tolerance.
- Environmental and regulatory factors are considered when selecting the balance or scale.

**Proper installation and configuration**
Professional installation, configuration and qualification of the weighing system along with in-depth user training guarantees accurate weighing right from the start.
Your benefits:
- Immediate readiness of users and instruments from day one.
- Documentation according to applicable regulations and traceable to national or international standards.
GWP® Verification is our service leveraging the GWP® guideline to prove that your balances and scales are accurate and meet process and regulatory requirements. Furthermore, GWP® Verification provides you with an optimized testing and calibration scheme, pinpointing the potential for quality improvements and cost savings. This service is available for all balances and scales.

GWP® Recommendation is the document summarizing your selection criteria for a new balance or scale. Based on the GWP® guideline it gives you scientific evidence that the selected instrument is fit for its purpose.

Good Weighing Practice  
[www.mt.com/GWP]
Good Measuring Practices

Reliable Results with GTP®

Dependable Titration in Practice

Good Titration Practice™ covers the entire lifecycle of your investment. Targeted maintenance and proper handling ensure correct, reproducible results in daily use.

- Preservation of the accuracy and precision of results
- Compliance with regulations
- Minimization of risks
- Increased productivity and reduced costs
- Protection of investment

A Long Term Solution

Dependable titration starts long before daily routines in the laboratory: A requirements-based selection of the titration system, as well as professional installation and training form the basis for dependable and risk-free titration.

METTLER TOLEDO offers comprehensive support for all steps to ensure that you invest in the right area and minimize risks with targeted efforts.

Thorough workflow analysis

Evaluating the right analytical system not only involves knowing your current needs, but must also take into account future requirements. This includes early planning of the measures for commissioning and routines. Verify and document your requirements carefully with our trained sales team.

Optimal Instrument selection

Our sales specialist assist you in the selection of the optimal instrument and the right application for your samples. Build a tailored system considering criterias like ease of use, operator safety, compliance, data management and automation optimizing performance and providing the perfect solution for your laboratory’s routines.

Professional setup and well trained users

GTP® guidelines recommend professional commissioning as well as solutions for instrument and operator qualification. The EduPac offers sound training with certification giving operators confidence, knowledge and skills during installation and a template for retraining and new hires.

GTP® is a registered trademark in CH, EU, USA, Japan, China.
This best long-term package including services like Edu-Pac, IPac or EQPac will help you protect your investment far into the future.

**Good Titration Practice™**

- **Qualification**
  - Correct results right from the start
    - Professionally executed titrator qualifications with factory trained technicians ensure conformity and establish complete traceability from the very start.
    - The IPac and EQPac services encompass execution of the qualification process, including all documentation. For LabX Software comprehensive validation support ensures data security.
  
  - **Routine Operation**
  - Consistent performance and accuracy
    - Well trained users and regularly certified titrators reduce the likelihood of measurement errors, preventing potentially expensive follow-up costs.
    - Annual inspections help keeping titrators working correctly and minimize the risk of equipment failure.
    - Calibration certificates provide evidence for proper equipment performance and consistent measurement accuracy.

**GTPSecure™**

- Good Titration Practice™ routines
  - Avoid measurement errors in your daily operations by having well-trained users.
  - Benefit from METTLER TOLEDO’s many years of experience and expertise with our comprehensive application database.
  - Our numerous GTP® application brochures and reference books offer comprehensive assistance for daily titration.

**Good Titration Practice**

> [www.mt.com/GTP](http://www.mt.com/GTP)
Minimize Pipetting Risks with GPP™
Boost Data Accuracy and Reproducibility

Improve your data quality with Good Pipetting Practice™ – Rainin’s comprehensive, systematic approach to maximizing pipetting accuracy and repeatability. Organized into five major steps, GPP™ is grounded in Rainin’s more than 40 years of expertise working side-by-side with researchers to achieve the highest levels of accuracy and precision across all applications.

Evaluate your needs
Understanding your options is the first step toward achieving more reproducible results. A clear idea of your desired workflow and the level of accuracy and precision required will speed your evaluation of applicable tools and technologies.

Select the right tools
The characteristics of liquids you’re measuring can profoundly affect a pipette’s performance. Your time and materials are expensive, so making sure that pipettes, tips and related tools are the most appropriate for your application will save money and increase productivity.

Assure proper use
An optimized pipetting system is only as good as the people who use it. Good handling and knowing which techniques to use for various liquids has a profound effect on precision, accuracy and repeatability of your results.
Calibration

Manage your risk
Precision pipettes should come with an ISO calibration certificate when purchased, then put on a schedule for regular calibration, based on use. Try our online RiskCheck to better understand your pipetting risks and how to mitigate them.

Routine Operation

Verification and service
Well maintained pipettes, periodic verification and a system for assuring that every pipette in your lab receives regular service is essential to maintaining a high performance environment.

Apply the principles of GPP™ in your lab and everyone on your team will:
• Understand the array of liquid handling instruments and options available
• Recognize the subtle and sometimes significant effect of equipment installation and operating environment
• Maximize each pipetting step’s potential by assuring that your technique is correct and consistent
• Between service intervals, verify that your pipettes are performing properly
• Avoid “calibration creep” and other subtle and not-so-subtle performance issues

Good Pipetting Practice

www.mt.com/GPP
Learn More about
Good Measuring Practices

Take advantage of our interactive tools to increase your competence and discover how to achieve guaranteed improved measuring results.

RiskCheck
How good is your quality management? Take our tests to determine your risks in weighing, titration and pipetting.

Videos
Watch educational Good Measuring Practices videos to learn more about improving the accuracy of your measuring results.

White Papers
Download our scientific white papers to develop the competence of your staff and receive supporting documentation for your audits.

Webinars
Attend a webinar on measurement uncertainty or routine testing.