



## **GDRP™**

Limit risks

Minimize errors

Improve quality

Reduce costs

Protect your investment

**Reliable Results**  
for Density and Refractive Index

**METTLER TOLEDO**

# GDRP™

## What is it Exactly?

**GDRP™ – Good Density and Refractometry Practice™ is a 5-step guideline to improve your Lab process. It covers the entire lifecycle of your instrument and helps to improve quality while reducing risks and costs.**

Dependable density and refractive index measurement index starts long before daily routines in the laboratory. A requirements-based selection of the system, as well as professional installation and training form the basis for dependable and risk-free measurement. GDRP reduces the risks associated with density and refractive index analysis and facilitates:

- Compliance with regulations
- Preservation of the accuracy and precision of results
- Increased productivity and reduced costs
- Professional qualification and training



## Why are Density and Refractometry in the same program?

Both methods are often used for the same application. Either Density or Refractometry can give the same information, e.g. Brix%, other concentration% or passed/failed result. The selection of the best suitable instrument is an important step to minimize costs and improve quality.

In addition:

- One technique can complement the other
- Both techniques can be combined in one workflow, often to determine the "fingerprint" of a sample





### **Dependable analytics**

Correct equipment used in a suitable environment by well-trained people is the prerequisite to reliable and reproducible results.

**GDRP™**

Good Density and Refractometry Practice

# 5 Steps to Excellence

**For all 5 major steps of Good Density and Refractometry Practice™ METTLER TOLEDO offers comprehensive support, so that you invest in suitable equipment and services. Minimizing your risk will improve your performance.**



## Step 1 – Evaluation



Selecting the right analytical system not only involves knowing your current needs, but must also take into account future requirements. Secure the first few steps on the right path by using our professional consulting services and documentation of your requirements.

## Step 2 – Selection



Once the actual and future needs have been clearly identified, the best suitable analytical system can be selected. This includes not only the measuring instrument, but also automation and software if required.

## Step 3 – Installation



Correct installation is crucial to guarantee the best working conditions as well as longevity for the selected system. Trouble-free operation starts with the selection of the location, the best suitable tube connections, as well as correct connection to other measuring cells, automation units and/or computer.



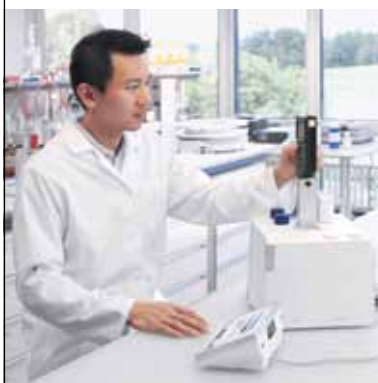


#### Step 4 – Qualification



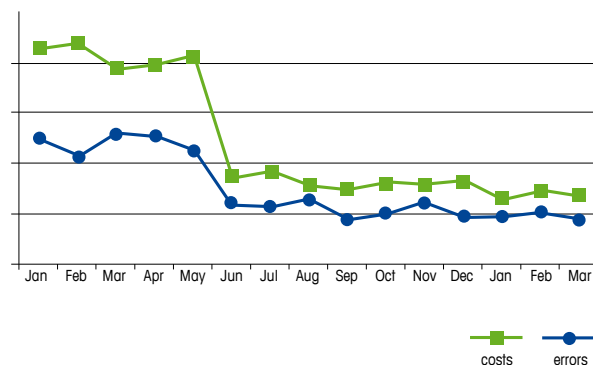
After installation, the system has to be qualified for the operations it needs to fulfill. Professional commissioning and qualification of the analytical instrument is required. These activities need to be documented in a way that's easy to understand and traceable. Professional training is included, which gives you the confidence and skills to operate the instrument correctly.

#### Step 5 – Routine Operation



Well-trained users and regularly-maintained instruments reduce the likelihood of day-to-day measurement errors, preventing potentially expensive follow-up costs. Our expertise and experience is available in the form of comprehensive literature, trained sales consultants, seminars and specifically-tailored services for regular care and maintenance. This helps minimize the most common risks with minimal effort.

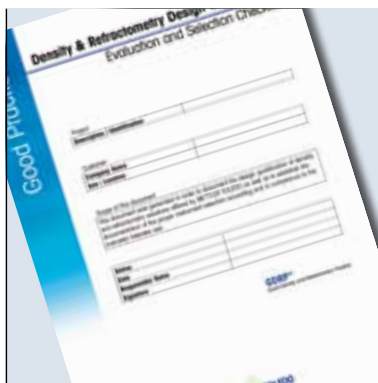
#### Improved performance



5 steps to excellence decrease error rate and costs (GDRP introduced in May)

# Documented Processes Professional and Fast

**Professional commissioning, training, qualification and seamless documentation guarantee compliance with your process requirements from the very first step.**



## **DQ – Design Qualification**

This tool helps you to define your current and future requirements together with our consultant, in order to select the best suitable system for your application and secure your investment for the future.



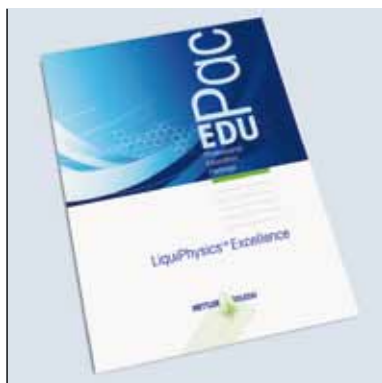
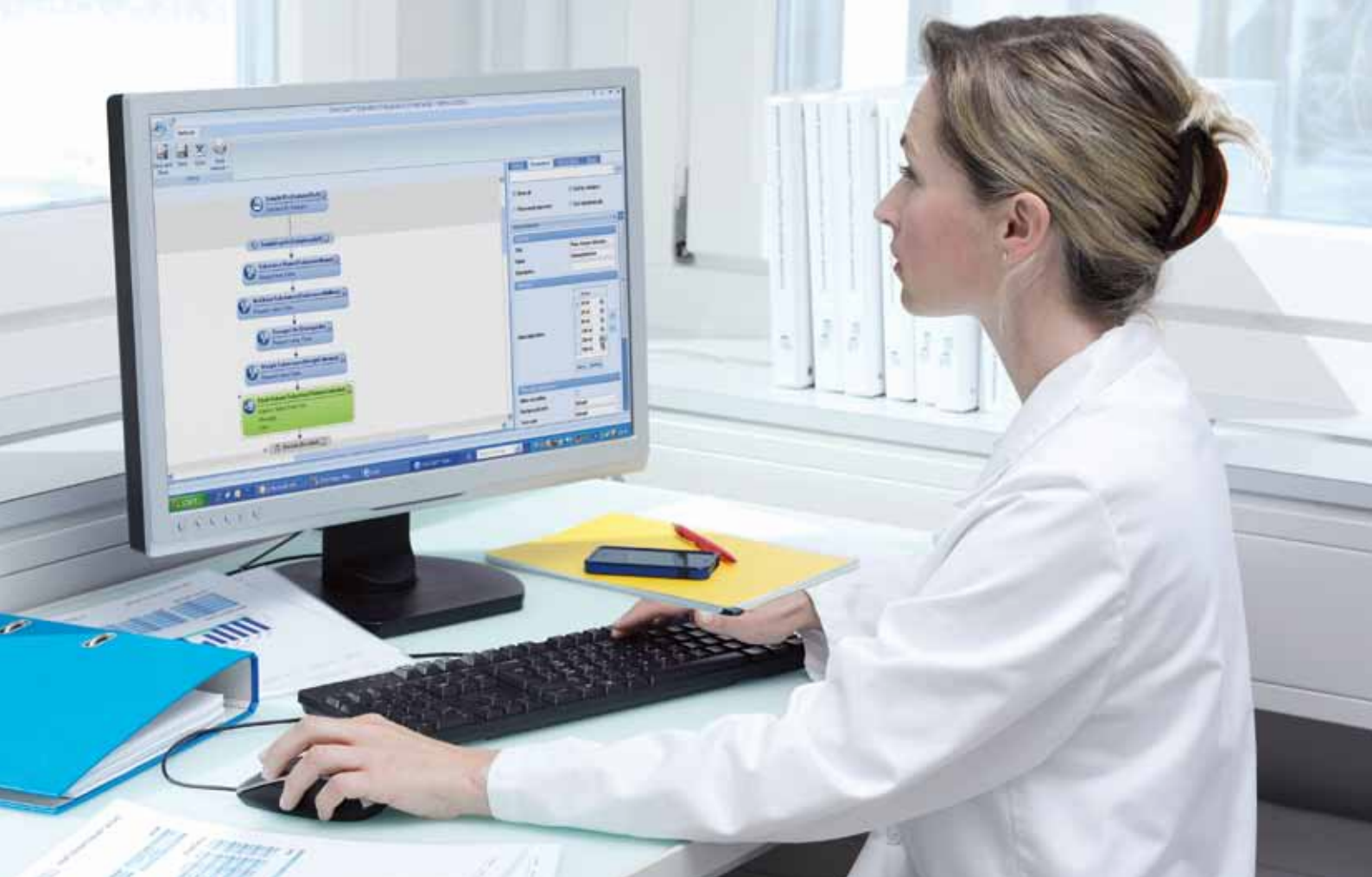
## **IPac – Initial Qualification Package**

IPac is the quick and easy solution for instrument qualification. It includes the Installation Qualification and Operational Qualification processes (IQ/OQ), which are performed professionally and documented accordingly.



## **EQPac – Equipment Qualification Package**

EQPac is a comprehensive qualification solution, meeting the strictest regulatory demands and requirements. Detailed documentation with a professionally-executed qualification procedure, ensures conformity and establishes complete traceability from the very start.



### **EduPac – Education Package**

Under the watchful eye of our specialist, this training package helps you familiarize yourself with the instrument, and learn efficient operation through practical exercises.

- Configuration and setup
- Plug & Play concept
- Manual operations
- Structure of methods and analyses



### **LabX® software validation**

METTLER TOLEDO supports you, providing validation of the LabX® software.

### **Validation service**

On-site support for validation.

### **Re-validation service**

Information package including all forms required for re-validation following LabX® upgrade or update.

### **Validation manual I**

Contains all information required for qualification of METTLER TOLEDO as a software manufacturer.

### **Validation manual II**

Contains all regulations and forms required to perform LabX® validation.

# The Right Tool for Every Step

Step	Tool
1 Evaluation	Design Qualification
2 Selection	Design Qualification
3 Installation	IPac (Initial Qualification Package)
4 Qualification	EQPac (Equipment Qualification Package) LabX validation manual I LabX validation manual II
5 Routine Operation	EduPac (Education Package)

## Get an Idea of Your Risk

Perform your own risk check with our web-based tool:



► [www.mt.com/GDRP-riskcheck](http://www.mt.com/GDRP-riskcheck)

[www.mt.com/GDRP](http://www.mt.com/GDRP)

For more information



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Subject to technical changes

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