



MC Link Software

Simple Calibration

Efficient Workflow

Reliable Results

Efficient Mass Calibration Through Secure Data Management

METTLER TOLEDO

Increase Calibration Efficiency By Smart Data Processing and Control

Today's challenges in mass calibration demand combined high data security and process efficiency. Regulations have to be followed and complex calculations carried out for accurate results and compliance.

With MC Link software, the mass calibration workflow is reduced to a minimum by increasing efficiency, data security and conformity. The high flexibility of the built-in process configurator allows adaption to local regulations based on predefined settings, and can operate in multiple languages.

MC Link software fulfills every mass calibration laboratory's requirements, helping overcome the challenges presented in the tedious process of mass calibration. The Office Client is designed to perform administrative and preliminary work, while the Laboratory Client provides all functionality for mass calibration and equipment testing. MC Link is an all-in-one solution offering total flexibility and full compliance, maximizing productivity as a result.

Certificate Printing

- Predefined templates
- Regulatory compliance
- Reporting and certificate print-out in a few clicks



Office



Office Client

- System and user management
- Control and administration of comparators and climate system
- Customer data management
- Weight set definition based on templates
- Calibration process and uncertainty configurator
- Reference weight management
- Print barcode labels for weight boxes
- Audit trail and integrated process quality control for regulatory support
- CFR 21 Part 11 ready

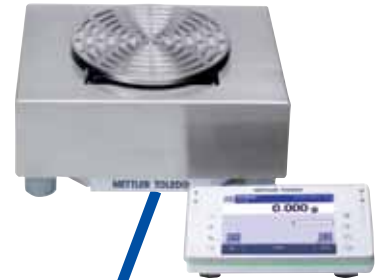


Laboratory Client

- Weight calibration
- Mass comparator testing
- Multilingual visual and acoustic guided calibration
- Real-time statistical process control
- Status messages and tolerance testing
- Barcode scanning for error-free identification
- Paperless laboratory



Laboratory



Smooth Calibration

- Fast and secure calibration process
- Reduced manual handling steps
- Improved measurement accuracy
- Reduced calibration lead times



Efficient Workflow

- Quality control and mass calibration in one process
- Automatic calculations and tolerance testing
- Direct certificate printing
- Increased productivity and turnover



Reliable Results

- Integrated process control
- Paperless, secure and traceable
- User management with comprehensive data reporting for validation

MC Link Software Features

Calibration Process Configurator

Simple calibration process built-up by selection of pre-defined schemes.



Uncertainty Analysis

Integrated uncertainty contribution factors of all regulations allow the fully flexible adaption and design of the combined uncertainty to fulfill local regulatory requirements.

$$u_{\text{tot}} = \sqrt{u_{\text{ref}}^2 + u_{\text{ref}}^2 + u_{\text{acc}}^2 + u_{\text{acc}}^2}$$

$$u_{\text{ref}} = \frac{(\Delta m_{\text{ref}})}{\sqrt{2}}$$

$$u_{\text{acc}} = \frac{U_{\text{acc}}}{k_{\text{acc}}}$$

$$u_{\text{acc,comp}} = \sqrt{m_{\text{acc}}^2 \left(\left(\frac{U_{\text{pa}} - U_{\text{pr}}}{U_{\text{pa}} - U_{\text{pr}}} \right)^2 + (U_{\text{pa}} - U_{\text{pr}})^2 \cdot \left(\frac{U_{\text{pa}}}{U_{\text{pa}} - U_{\text{pr}}} \right)^2 \right)}$$

$$u_{\text{tot}} = \sqrt{u_{\text{ref}}^2 + u_{\text{ref}}^2 + u_{\text{acc}}^2}$$

Reporting and Certificates

Print out of calibration certificates, detailed reports of measurements, comparator testing, customer weight sets and climate parameters fully automatically.



Process and System Quality Assurance

With statistical tools (i.e. F-Test, T-Test, EN-Test) the process quality and system long-term stability is monitored. Out of tolerance values are detected. Affected comparator or reference weights are blocked for further use.

License Types

Standalone

Full functionality for mass calibration, comparator testing, reporting and certificate printing on one PC.



Multi-place License

Full functionality for mass calibration, comparator testing, reporting and certificate printing on multiple PCs and tablets. Customizable with audit trail and barcode reading.



Order Information

	Article No.
MC Link Software – Standalone Version	30208278
MC Link Software – Multi-place Version	30208280
MC Link Upgrade – Multi-place License	30208289
MC Link License – 1 MT Instrument	30208285
MC Link License – 3 MT Instrument	30208286
MC Link License – 5 MT Instrument	30208287

	Article No.
MC Link Option – Audit Trail License	30208283
MC Link Option – Barcode Package	30208284
MC Link Validation Handbook	30212634
ClimaLog30 Climate Station	30078423
Klimet A30 Climate Station	222012
8 x RS232 Serial Port Server	30211568

www.mt.com/comparators

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Subject to technical changes
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