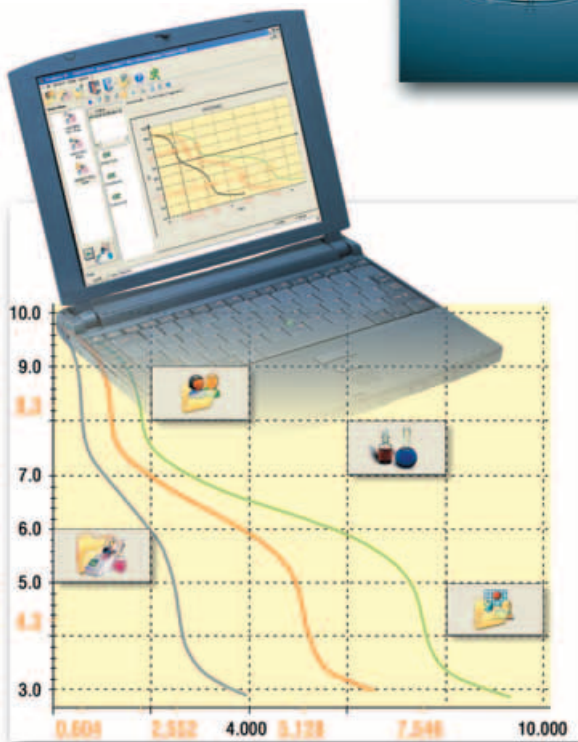# TitraMaster 85 Titration Software

Total Control of *YOUR* Titrations

Complete control from your computer

- Multi-workstation control and multitasking
- Application programming
- Effortless running of applications
- Sample stack management

User-friendly handling of your data

- Extensive results management
- Live display of curves and results
- Easy data processing and recalculation
- Wide choice of export formats (LIMS)

Full traceability of your results

- Comprehensive analysis report forms
- Method development versions
- History of method changes
- Raw data access and Quality Control charts

FDA 21 CFR Part 11 compliance

- Totally secure result database
- Audit trail of all operations
- User accounts with password-controlled access
- Electronic signatures

Radiometer analytical
A Hach Company Brand

- when you need to be sure…

TitraMaster 85 Titration Software

Handling sample throughput efficiently while keeping data securely stored for future access is an essential requirement for all laboratories. With TitraMaster 85 user-friendly titration software, you can program applications directly from the computer while processing data from as many as 7 titration workstations or high-performance ion analysers.

Secure your system completely

User logins and operator passwords prevent unauthorised access
In TitraMaster 85 an access level is assigned to each operator together with a strictly personal login and password. Each hierarchical level gives access to specific rights and functions to protect against unauthorised use and unintentional changes.

Program your applications conveniently

Computer environment facilitates creation of applications
Applications can be programmed and managed directly from the TitraMaster 85 database application window on your PC. Each application is fully traceable with a version number and a complete historical record of changes. You can reuse an existing application or return to a previous version.

Run your applications instantly

Straightforward interface allows applications to be set up in no time
Select an application from your database, fill in the sample stack, press RUN and follow instructions. That's all there is to it. Automatic prompts guide you step by step making your analysis simpler and safer.

Check your results at any time

Immediate display of curves and results gives key information at a glance
Curves and records are displayed live with clear result status icons. Data from each workstation connected can be featured in an individual window to give you an instant overview of all analyses in progress. While analyses are running, the database can be searched by user-selectable criteria so you can easily home in on and process the results that matter.
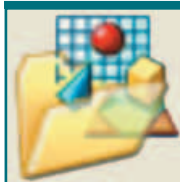
Record all your data securely

Automatic archiving guarantees you never lose data
TitraMaster 85 offers a powerful automatic archiving tool which allows you to retrieve records fast and efficiently via user-programmed requests. Each record is stored with a full set of information specifying how, where, when and by whom it was obtained.

Follow your result trends graphically

Visual control chart tool makes Quality Control easy
For all analysis results defined with acceptation limits - electrode or reagent calibration, QC sample or sample batch analysis - you can plot a control chart to keep track of progress. This ensures you obtain a clear view of trends in measuring chain performance and analytical data.

Exploit your results to the full

Data processing and export functions ensure you make efficient use of your data
Your results can be recalculated and/or curves reprocessed according to your requirements with no risk of losing raw data. Data can be exported to LIMS or Microsoft Office applications in various file formats.

Extended FDA 21 CFR Part 11 solution

Radiometer Analytical has developed a special version of TitraMaster 85 Software in order to help your laboratory fulfil its obligations regarding document submission and legally binding electronic signatures in compliance with Food and Drug Administration 21 CFR Part 11 requirements.

With the **TitraMaster 85 FDA21CFR11 version**, you can be sure of:

- Electronic signatures
- System validation
- Unfalsifiable records
- Standard-format exporting
- Password protection
- Controlled access

- User accounts
- Audit trail
- Data tracking
- GLP compliance
- Secure backup
- Application traceability

The audit report of an outside organisation which examined TitraMaster 85 compliance with FDA 21 CFR Part 11 is available on request.

Technical Specifications
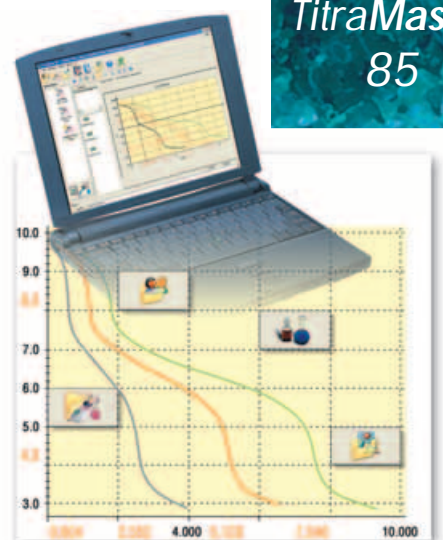
Minimum computer requirements

Single-station configuration

- PC configuration must fit recommended requirements for Windows operating system installed: 2000 Pro (SP2)/XP Pro (SP2).
- Internet Explorer 6 or higher.
- Intel Pentium or AMD 800 MHz processor or equivalent with a minimum of 256 MB SDRAM 133 MHz.
- SVGA 1024 x 768 screen resolution and 17" colour screen display.
- 1 available serial COM port/CD-ROM drive/PS2 or USB Mouse.

- Windows compatible printer.
- Installation requires less than 10 MB.
- Minimum of 1 GB free on hard disk.
- A CD-writer or external archiving support recommended.

Multi-station and/or FDA21CFR11 configuration

- Microsoft Windows OS: 2000 Pro (SP2)/XP Pro (SP2) (NTFS format).

Compatibility

With TitraMaster 85 you can run up to seven units of any of the following systems to perform:

- pH measurements
- ORP/Redox measurements
- Conductivity measurements
- Ion selective electrode measurements

- Acid-base titrations
- Precipitation titrations
- Complexometric titrations

- Redox titrations
- Karl Fischer titrations
- pH-Stat

MeterLab® ION450/570

TitraLab® 854/856

TitraLab® 840/845

TitraLab® 980

TitraLab® 865/870

TitraLab® 960/965

Visit **www.radiometer-analytical.com** to request your demonstration version and take advantage of new features and product updates from the Radiometer Analytical Resource Centre.