minispec Plus

Release Letter

Version 001

Innovation with Integrity

AIC

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Contents

1 Introduction 5

2 Release Notes Version 7 7

2.1 Release Notes for minispec Plus 7.0.0 7

3 Release Notes Version 6 9

3.1 Release Notes for minispec Plus 6.0.3 9

3.2 Release Notes for minispec Plus 6.0.2 9

3.3 Release Notes for minispec Plus 6.0.1 9

3.4 Release Notes for minispec Plus 6.0.0 10

4 Release Notes Version 5 11

4.1 Release Notes for minispec Plus 5.1.0 11

4.2 Release Notes for minispec Plus 5.0.0 11

5 Release Notes Version 4 13

5.1 Release Notes for minispec Plus 4.1.5 (NF) 13

5.2 Release Notes for minispec Plus 4.1.4 (NF) 14

5.3 Release Notes for minispec Plus 4.1.3 15

5.4 Release Notes for minispec Plus 4.1.2 15

5.5 Release Notes for minispec Plus 4.1.1 15

5.6 Release Notes for minispec Plus 4.0.3 15

6 Contact 17

Contents

1 Introduction

About the Release Letter

The Release Letter describes the main aspects of the minispec Plus installation with the latest developments. The complete installation is described in the minispec Plus software manual available on the CD/memory stick.

The Release Letter provides important information about improvements, deployments and the history of the Bruker software.

Target Audience

The Bruker Software Release Letter, in this case the Release Letter for minispec Plus, supports all Bruker users who work with Bruker minispec Plus software products. In order to communicate all improvements as quickly as possible, Bruker routinely provides the Release Letter for all users.

How to get the Release Letter

The Release Letter is only available electronically, in Acrobat Reader (PDF) format. The Release Letter is not available as a hard copy. This allows Bruker to provide an up-to-date version of the Release Letter.

The release letter is included on the software memory stick, accompanying the minispec Plus software manuals.

Safety Regulations

In order to work safely in laboratories with minispec systems all users have to follow the safety regulations for magnetic, electrical, cryogenic and chemical safety. For detailed information please refer to the safety instructions in the minispec User Manual.

Introduction

2 Release Notes Version 7

2.1 Release Notes for minispec Plus 7.0.0

Release date: Pending

New Features

- MS Excel / MS Office is no longer a pre-requisite for installing minispec Plus.
- If MS Excel 2016, 2013 or 2010 is installed, the MS Excel export functionality for measurement, calibration and logging data will be provided.
- Export to XML and CSV files for measurement, calibration and logging data.
- Possibility to print-out current daily check results (configurable).
- New applications “Dip on Fiber” and “Dip on Fiber with Spin Finish”.
- Chemometric measurements which yield masses as results can optionally also display percentages (in this case also the total sample mass has to be entered during the measurement procedure).
- Chemometric measurements: Option to have result bar blinking when measurement is finished.
- Applications “Oil and Moisture”: These have separate calibration validity ranges for oil and for moisture.

Minor Changes and Fixes

- Application “Xylene Soluble”: Acquisition Window now set to 0.15 ms.

System Requirements

- Windows 10 32 or 64bit; Windows7 32 or 64bit English.
- Chemometric Calibration: OPUS 7.

Note: MS Office is no longer required for minispec Plus operation, beginning with software version 7.0 Bruker BioSpin will no longer supply MS Office. When MS Office (or Excel) is desired, we recommend that the customer purchases MS Office 2016 32bit English locally.

3 Release Notes Version 6

3.1 Release Notes for minispec Plus 6.0.3

Release date: 20.1.2016

New Features

- The automation export database CalibrationsOrig.mdb now contains all ExpSpel files for NF (including mq_nf_echo_server3.app) and for ND/NE systems.
- New and modified application files in the folders “Absolute Pool” and “Relaxation Pool”.

3.2 Release Notes for minispec Plus 6.0.2

Release date: 21.10.2015

Bug Fixes

- New progress bar fixes compatibility issues with MS Office hotfixes, especially with older versions of MSCOMCTL.OCX.
- New mq_nf_echo_server3.app fixes issues with parameter constraints.

3.3 Release Notes for minispec Plus 6.0.1

Release date: 15.9.2015

Bug Fixes

- Re-compiled to fix issue with old version of library file mscomctl.ocx. No code changes.

3.4 Release Notes for minispec Plus 6.0.0

Release date: 6.8.2015

New Features

- Supports only NF systems with firmware 3.2
- Compatibility check of NF applications with firmware leads to error message when old applications are started.

System Requirements

- Windows7 32bit or 64bit English Service Pack 1.
- MS Office 2013 32bit English Service Pack 1.
- Chemometric Calibration: OPUS 7.

NF systems only

- minispec.exe 3.0.
- Hardware: minispec NF electronics with firmware 3.2.

Installation (Service Information)

A valid msys.inf file has to be placed in the folder of BrukerMinispecSetupNF.exe.

4 Release Notes Version 5

4.1 Release Notes for minispec Plus 5.1.0

Release date: 4.5.2015

New Features

- Calibration export for minispec Automation.

Bug Fixes

- Arbitrary error messages when mouse is moved during measurements removed.

4.2 Release Notes for minispec Plus 5.0.0

Release date: 16.7.2014

New Features

- Results in measurement window displayed in large fonts.
- Calibration window: Display of result unit in option group instead of check box.
- Classic calibration: default result unit is concentration.

NF systems only

- Application “Bruker Fluorine in Toothpaste” with mq_nf_echo_server.app.
- FID_CMPG applications.
- FID applications now export the results both in mdt and dps-format.

Bug Fixes

- Calibration curve display: if signals differ less than the significant numbers, data points are displayed correctly.

System Requirements

- Windows7 32bit or 64bit English Service Pack 1.
- MS Office 2013 32bit English Service Pack 1.
- Chemometric Calibration: OPUS 7.

NF systems only

- Default minispec.exe 2.71.9.
- Hardware: minispec NF electronics with firmware 1.3.0.10.1 or higher.

ND/NE systems only

- Default minispec.exe 2.59.23.

Installation (Service Information)

- The installation is for minispec Plus and minispec standard installations.
- Default paths for installation are:
  - C:\Bruker\theMinispec
  - C:\Bruker\theMinispec NF
- There are two different installation packages for ND/NE and NF systems.
- Both may be installed on one PC, but cannot run simultaneously.
- When switching between ND/NE and NF versions of minispec Plus, minispec.exe has to be first started with elevated administrator rights (“Run as administrator”).

NF systems only

- When you want minispec.exe 2.71.6 to be installed, create a file “Version.ini” in the folder where the BrukerMinispecSetupNF.exe is.
- It must contain these two lines:

```
[minispec.exe]
version=2.71.6
```

- If you want to install minispec.exe 2.70.2:

```
[minispec.exe]
version=2.70.2
```

- If no Version.ini file is there, minispec.exe 2.71.9 will be installed by default.

5 Release Notes Version 4

5.1 Release Notes for minispec Plus 4.1.5 (NF)

Release date: 12.8.2014

Bug Fixes

- Installation: BVT.exe is installed even if there is no license in the ini file.
- Clean uninstall and reinstallation.
- Display of pulse and signal sketches in application definition.
- OW4: use mean echo as result instead of first echo.
- New version of Update Settings implemented.

New Server Applications

- mq_nf_cpmg_server2.app
- mq_nf_solid_echo_server2.app
- mq_nf_ow4_server2.app

System Requirements

- Windows7 32bit or 64bit English Service Pack 1.
- MS Office 2010 32bit English Service Pack 2.
- Chemometric Calibration: OPUS 7.
- Default minispec.exe 2.71.9.
- Hardware: minispec NF electronics with firmware 1.3.0.10.1 or higher.

5.2 Release Notes for minispec Plus 4.1.4 (NF)

Release date: 22.1.2014

New Features

- Support of further server applications for NF, fixes for SFC and SR.

Bug Fixes

These server applications are still pending:

- mq_nf_liquor_server.app
- mq_nf_fid_crelax_server.app

System Requirements

- Windows7 32bit or 64bit English Service Pack 1.
- MS Office 2010 32bit English Service Pack 2.
- Chemometric Calibration: OPUS 7.
- minispec.exe 2.71.6.
- Hardware: minispec NF electronics with firmware 1.3.0.10.1.

Installation (Service Information)

- The installation works for minispec Plus and minispec.exe standard installations.
- To install minispec.exe 2.71.6, create a file “Version.ini” in the folder where the BrukerMinispecSetupNF.exe setup program is located.
- It must contain these two lines:

```
[minispec.exe]
version=2.71.6
```

- If you want to install minispec.exe 2.70.2:

```
[minispec.exe]
version=2.70.2
```

- If no Version.ini file is there, minispec.exe 2.71.9 will be installed by default.

5.3 Release Notes for minispec Plus 4.1.3

Release date: 3.12.2013

New Features

- Balance now implemented for NF instruments.

5.4 Release Notes for minispec Plus 4.1.2

Release date: 22.5.2013

New Features

- First connection to BE file now works automatically.

5.5 Release Notes for minispec Plus 4.1.1

Release date: 22.5.2013

New Features

- Supports minispec NF Instruments now.
- Hahn Echo and CRELAX as server applications for NF implemented so far.

5.6 Release Notes for minispec Plus 4.0.3

Release date: 22.4.2013

New Features

- Windows7 / **64bit** is now supported.

System Requirements

- Windows 7 32bit or 64bit English Service Pack 1.
- MS Office 2010 32bit English Service Pack 1.
- Chemometric Calibration: OPUS 7.

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