

## 1 Purpose

This document describes the new features, the improvements as well as the fixed bugs and problems in the following new software:

- Version 1.2
- Firmware Version 2.80

in comparison with the software:

- Version 1.1
- Firmware Version 2.22

## 2 New features

Topic	Description
Support of Mira M-2 instrument	Mira M-2 instruments are supported now.
Adjustable laser power	A menu to adjust the laser power has been added to the software (for Mira M-2 instruments).
Error log files	The creation of Log files is supported now.

## 3 Improvements

Topic	Description
USB connection	The connectivity between instrument and computer have been improved.
Information about the used software version and firmware version	Information about the used software version can now be displayed in more detail.
Display laser power	The used laser power is displayed in Spectral Info and reports.
Calibration in Mira Cal	The calibration of the instrument can now be performed directly in Mira Cal.

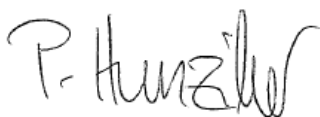
## 4 Fixed bugs and problems

Topic	Description
Library names	Problems when using expressions with more than 24 characters in the library have been fixed.
Pin code	After connecting the instrument to Mira Cal, the Pin code of the instrument was set back. This defect was fixed. Other minor problems regarding Pin code entry have been fixed.
Firmware Check	On windows versions with comma as decimal separator, a firmware update was repeatedly asked, when connecting an instrument to Mira Cal. Although the firmware was up-to-date. This defect was fixed.

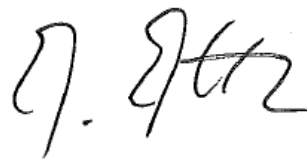
## 5 Known issues

Topic	Description
Library names	A library name who solely consists of non-ASCII-characters, results in an error.
Sample Names	Some special characters available on the instrument keyboard are replaced by an underscore when transfered to Mira Cal software. (For example: \$)
Group reports	When generating group reports, it may happen that some library spectra are not displayed.
Spectra with same name	When saving two spectra with the same name in stand-alone mode, the older spectrum will be overwritten and is therefore lost. If a library contains more than one spectrum with the same name, only one spectrum is uploaded.
Combine spectra	When combining spectras from different groups to the same library, this will result in a long library name. This library cannot be enabled or disabled on the instrument.

Herisau, November 01, 2015



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