AutoCalibrate and AutoDiagnose

From NMR Instrument Calibration to Remote Monitoring

Want to keep an eye on your NMR instrument, even when you're away from the lab?

Bruker's solutions for NMR instrument surveillance allows you to do just that.

The well-established AutoCalibrate monitors several key parameters, making sure users are always generating great data.

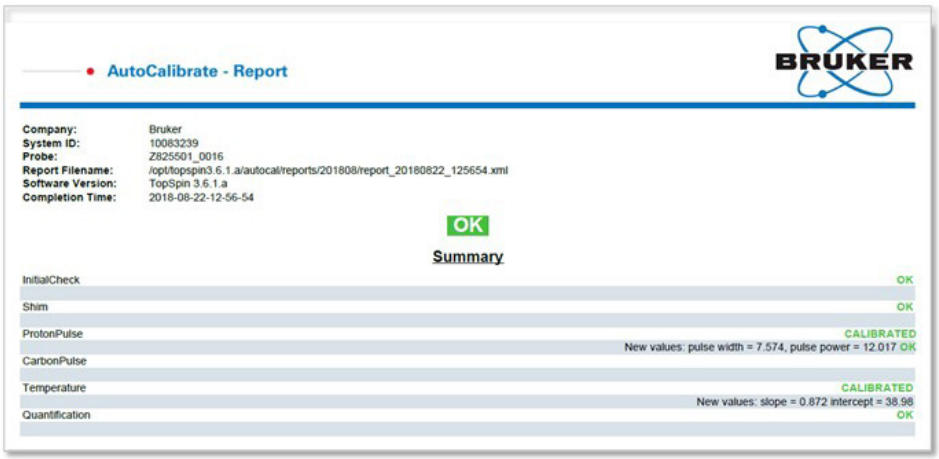
These parameters ensure that users get the best signal-to-noise from their experiments, the fewest artifacts, and the best resolution.

Designed to run with minimal involvement on the part of the user, AutoCalibrate will free up your time to do more of the science you enjoy instead of the maintenance you avoid.

Bruker's latest innovation in proactive NMR monitoring and maintenance is AutoDiagnose, combining the already well-established remote monitoring system with the automated NMR performance check.

AutoCalibrate

AutoCalibrate monitors several key parameters including pulse length, temperature, and shims, making sure they are always current. Designed to run daily, AutoCalibrate determines the optimal settings for each parameter then logs results, monitors deviations and, when warranted, updates necessary tables with best values.



AutoCalibrate - Report

BRUKER

Company: Bruker
System ID: 10083239
Probe: Z825501_0016
Report Filename: /opt/topspin3.6.1.a/autocal/reports/201808/report_20180822_125654.xml
Software Version: TopSpin 3.6.1.a
Completion Time: 2018-08-22-12-56-54

OK

Summary

InitialCheck	OK
Shim	OK
ProtonPulse	CALIBRATED
	New values: pulse width = 7.574, pulse power = 12.017 OK
CarbonPulse	
Temperature	CALIBRATED
	New values: slope = 0.872 intercept = 38.98
Quantification	OK

Monitored parameters

- Pulse length (proton and carbon pulse)
- 3D shims
- Temperature settings
- qNMR calibration check

Key benefits

- Free up your time for the things you want to do
- Ensure that your NMR instrument always performs optimally
- Easy to use interface, no NMR expertise required to run AutoCalibrate

All data is stored locally and can be forwarded to Bruker's NMR support teams to solve any kind of problem if needed.

AutoDiagnose

While AutoCalibrate stores all data locally, AutoDiagnose enables the system to automatically send this data to the cloud and provides a user-friendly graphical interface to display and monitor performance of the system. Users can remotely check the system status and the Bruker service team can analyze results, and detect poor performance of certain components on your NMR instrument.

Bruker Corporation
info@bruker.com
www.bruker.com