

Latest Bellingham + Stanley RFM900 Series refractometers as well as ADP450 and ADP600 Series polarimeters now include updated onboard software to help laboratories comply with FDA regulation 21 CFR Part 11, without the need of an intermediate PC.

A forward thinking approach to the core functions of these instruments negates the need to use an external PC or additional software and therefore eliminates further data security risks and any additional costs involved with extraneous equipment.

The recording of results, and the logging of instrument access and configuration is also possible.

The Review & Approve electronic signature process can even be achieved locally or remotely. Encrypted Print to Secure PDF, .csv and .XML outputs makes data integration to LIMS simple, secure and auditable.

Common features include:

1. Compliance without an intermediate PC for a lesser data security risk and lower system cost
2. Server synchronised clock to prevent data tampering
3. Multi-reading PHR Method for batch measurement as per GLP and PHR
4. Print to Secure PDF with custom header (customer logo can be input)
5. Electronic signatures including multi-verification (Submitter Reviewer Approver)
6. XML output strings with encryption & MD5 check for easy connection to LIMS or Server
7. Configurable users enforcing unique login & signature credentials as well as strict password controls
8. Full instrument configuration audit trail
9. Single Sign On via USB keyboard or RFID tag for rapid operation in the lab
10. Full validation documentation, service & support

Importantly, RFM900 and ADP Polarimeters also incorporate Peltier temperature control devices and so meet the newest requirements of Pharmacopeia (EUR 9.9.5); the ADP660 polarimeter excelling due to its 3-decimal place accuracy and ability to measure at prescribed wavelengths between 325-633nm

Additionally, new flowcell accessories for RFM900 Series instruments have also introduced.

Using high specification, FDA approved materials including PEEK and Chemraz(reg) manufacturers within the pharmaceutical industry are now able to automate laboratory processes whilst retaining the highest levels of security and auditability.

Full details and a video can be found on Bellingham + Stanley's online blog "Borderlines" in the Customer Support area of their website.