

Semi-automated management of daily cellar data using open-source quality management software

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Manual cellar data management has several problems that can be solved using automation connecting instrumentation to online data display and storage

• Three Problems with Manual Data Handling



Time Consuming



Inconsistent

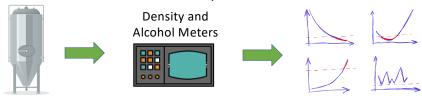


Error Prone

Manual Data Handling Requires Four Steps



Semi-Automated Data Collection In Two Steps



Software Replaces Manual Data Handling

Online Spread Sheets

- Convenient table format for fermentation data
- Familiar to most users
- Free online data display and archiving

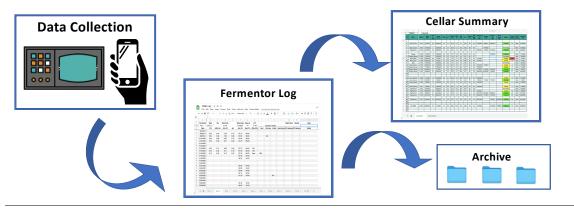
Object Oriented Programming with Graphical User Interface and Integrated Developer Environment

- Easy for casual programmers
- USB instrument communication
- Builds familiar user interfaces
- Mac, Windows, Linux and Mobile

Application Programming Interface for Internet Data Uploading

- Simplifies sending data to spread sheets from apps
- User friendly coding examples

Software Connects Data Collection to Fermentor Logs, Summary and Archive



Software availability: https://github.com/mattcottrell/DMA-5000-M-Controler