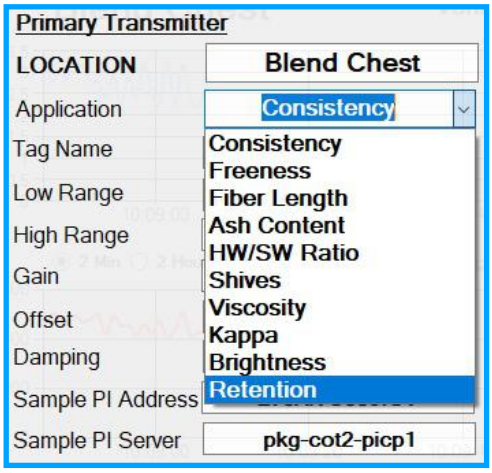
# Multi-application P&P Process Analyzer

## ProEye™100 Versatile In-Line P&P Process Analyzer

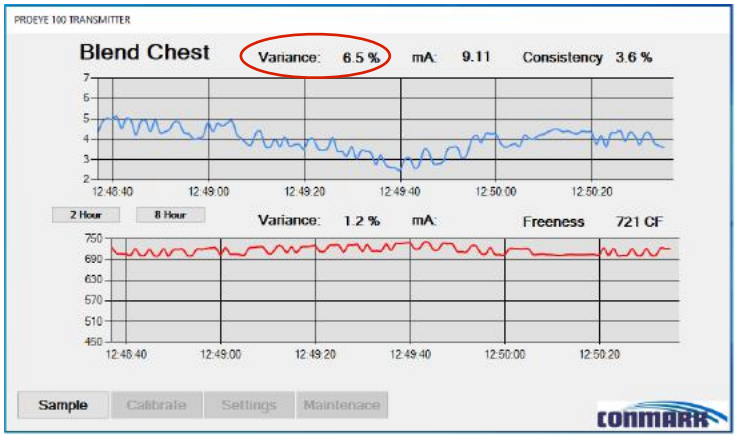
**Meet ProEye™100, the measuring tool that** uses a unique technique to figure out the properties of the pulp. It measures the responses of strobed LED lights from the furnish and gives you a real-time reading of the pulp's properties. This way, operations can make better decisions right away. ProEye™100 can measure two things at once, like consistency and freeness, or ash and consistency. It's perfect for chemical, mechanical, and recycle pulp and paper machines. And the best part? It doesn't need any maintenance. Unlike other online measurement tools, ProEye™100 gives you accurate, real-time measurements so you can control your process more precisely. Plus, it's made in the US and has a pending patent.

**ProEye™100 Applications.**

The ProEye™100 Remote Touchscreen Monitor (RTM) lets you choose which application you want to use with the transmitter. You can choose from options like Consistency, Freeness, Fiber Length, and more. RTM can be installed up to 50 feet away from the sensor. The display unit has 4 binary inputs, 4 relay outputs, and two 4-20mA outputs. All connections are active. The RTM has an intuitive, menu-driven programming interface with a 7-inch color touchscreen that makes it easy to set up, calibrate, and troubleshoot. RTM is based on Windows 11, which makes it easy to use.




**A cost effective solution and a "Real-Time" alternative to other expensive measurement analyzers.**




### Key Features of the Pro-Eye100:

- **A "Real Time" process measurement.**
- **Calibrates itself if user chooses to.**
- **Two 4-20mA two wire -100mA loop.**
- **No checks on performance needed.**
- **Excellent Repeatability, Linearity and Resolution.**
- **Automatic - Regression-Based calibration. ProEye™ re-calibrates itself.**
- **Immune to process variations.**
- **Wi-Fi (Cell) connection from anywhere.**

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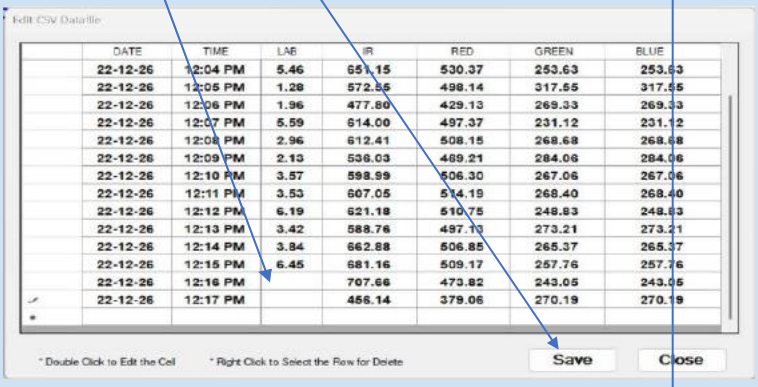
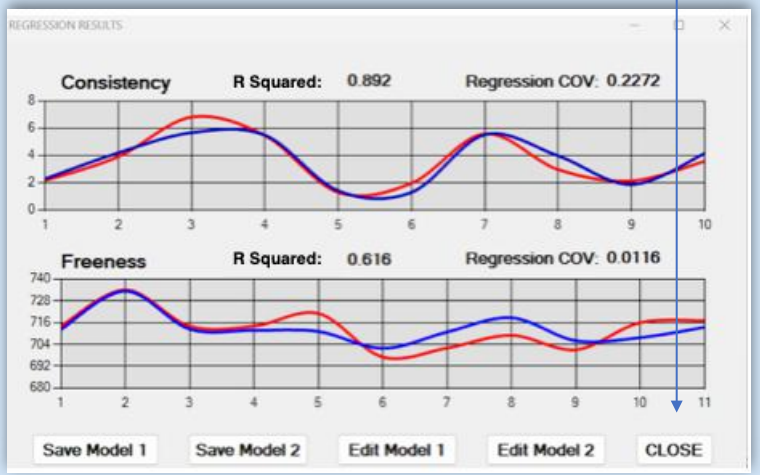
# ***Calibration:***

1. Press the Sample Button - Analyzer adds measurement data to its memory.
2. Activate Calibrate page. Press “Edit Model 1 or 2”.
3. Enter lab sample results in the empty cell.
4. Press “Save” and analyzer calculates new calibration coefficients.
5. If the new model is acceptable, touch the “Close”.
6. See the effects of the new values on the “Main Display” page on the Touchscreen Monitor.




## Technical Specifications:

Two 4-20mA outputs, 1 primary measurement and 1 secondary measurement.
Process temperature: 40 to 250 ºF, 4 to120 °C
Material of wetted parts: AISI316L, Titanium
Lens: Sapphire bonded to metal, no seals.
Cs Range: 0 to 12% Freeness Range: 100-760

## User Information:

Setting up the ProEye™ and manually calibrating it is a breeze. It’s packed with an advanced mathematical library that can analyze samples, calculate correlation, regression, and simulation modeling, and more. Adding the PI link gives the ProEye™ access to historical loop information, which helps it learn and improve its calibration. This SPC tool helps the ProEye™ figure out when it needs to make adjustments to the calibration. It uses statistical techniques to check how far the readings are from the previous calculations and, if needed, automatically adjusts the transmitter settings to match the new process conditions. The best part? The ProEye™ always stays on target and performs flawlessly.