



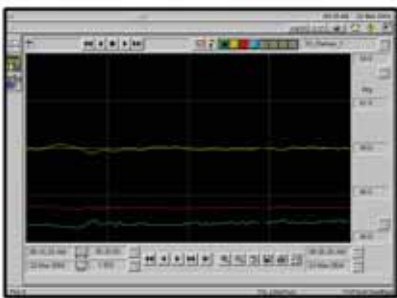
Ensuring the consistency and excellent quality of lumber with optimal drying while reducing energy consumption!

Is the control, acquisition and analysis of your drying process data precise and adaptable enough for you to:

- optimize energy consumption,
- make timber supply profitable,
- improve finished product quality,
- reduce the daily maintenance time of operators,
- enhance the performance of drying programs?

OXY yields real results by:

- reducing the percentage of over – dried and under-dried – up to 16%,
- reducing energy costs by at least 10%,
- providing a user-friendly interface to operators,
- providing independent control of drying program cycles,
- analyzing real-time and archived process data.



Its main functionalities integrate:

- Development of drying programs to include up to 60 steps;
- Configuration of parameters managed independently according to the characteristics of each program step;
- Adaptation of programs according to type of wood species;
- Automatic data collection and processing with integration of sample weighing parameters;
- Fast diagnostic of kiln dryer malfunction;
- Kiln dryer data and pattern display:
 - With up to five year data history;
 - In real time;
 - Per drying cycle.

A solution developed by Génisys and Phil Électronique

OXY optimizes the drying time required to reduce moisture content in lumber notably produced for secondary processing.

The quality of finished products is enhanced with accurate adjustment of kiln dryer controls. OXY simplifies the work of operators and stands out with its great adaptability and upgradability. It enables you to set up custom drying programs according to optimal parameters to ensure excellent quality products at a reduced cost.

Standard features:

- Industrial standard components;
- Adaptable to your drying methods for enhanced performance;
- Control of up to six wood probes per kiln dryer for up to 24 kiln dryers;
- Calibration of wood and temperature probes with the user interface;
- Digital or analog control of heaters, water sprays, fans and dampers;
- Temperature control according to average, maximum or air inlet temperature (according to ventilation direction);
- Production of multiple drying reports (per batch):
 - Drying program monitoring and daily follow-up;
 - Sample weighing report;
 - Drying pattern report;
- Technical support available 24/7.

Main components:

- Graphic interface to monitor the process and to interact with the system if required;
- Programmable logic controller – Shutting down the computer interface does not interrupt drying sequence;
- SQL database for extensive data analysis and processing capability;
- Instrumentation including RTD, wet bulb and wood resistance probe;
- Remote communication with modem;
- Administrative tool – configuration of program and equipment parameters.

