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Thermo Scientific AccuLINK

Performance Optimization Software

Thermo Scientific AccuLINK software ensures the very best online accuracy possible, through continuous comparisons with the lab, and timely, automatic calibrations. We provide a one-stop solution for laboratory and online elemental analysis.

Benefits

- Laboratory accuracy now online
- Reduced workload of laboratory personnel
- Powerful diagnostic tool

Features

- Fully automatic calibration updates
- Automatic outlier screening
- Flexible, robust scatter and time series plots

The Thermo Scientific AccuLINK software links two leading cement products from Thermo Fisher Scientific—the ARL series of XRF laboratory analyzers and the CB Omni family of online elemental analyzers.

AccuLINK™ is an easy-to-use software product that provides rigorous, statistical analysis and subsequent automatic implementation of calibrations into your online analyzer system. The package compares the results of your online analyzer with the site laboratory and provides in-depth data analysis in both table and graphics formats. These displays also facilitate the diagnosis of process-related analysis questions.

By having your online analyzer operating at peak accuracy, the kiln feed will be more consistent, which can lead to greater throughput, fewer BTUs of coal burned per ton of clinker, less electrical cost per ton of clinker and longer brick life.

In essence, we are applying laboratory type accuracy to an online instrument. This unprecedented step not only brings you the ultimate in analyzer accuracy, but it does so without any user intervention. This tool is meant to improve your bottom line, through tighter control of kiln feed composition, as well as by reducing the time you spend in reviewing analyzer performance.

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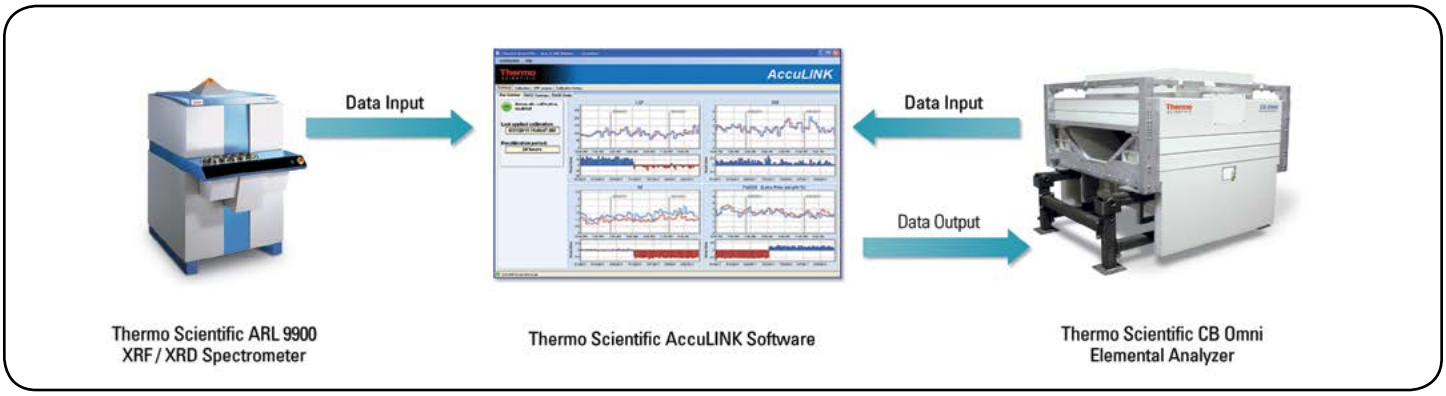

The Bias Summary Screen shows a pair of plots for each of the main quality control parameters (e.g., LSF, silica ratio) and/or individual oxides (e.g., MgO, CaO). The first plot in each pair shows the hourly lab vs. analyzer trends for the most recent two to three days, while the second plot shows the bar chart of the average bias between the lab and the analyzer, where each bar represents a calibration period, for the past three months.

The Quality Control RMSD Summary Screen presents a three month bar chart of Root Mean Square Deviation (RMSD) for the main quality control parameters of interest.

The Oxide RMSD Summary Screen presents a three-month bar chart of Root Mean Square Deviation (RMSD) for the main oxides. The Calibration Overview Screen presents the current calibration constants in use for each detector, along with an indication of any oxide/detector pair which appears to merit a recalibration at the next calibration interval.

The Oxide Calibration Screens include two plots (a scatter plot of lab vs. analyzer values for each detector, and a trend plot of the same data, both shown from the chosen calibration interval).

The User Interface also includes an XRF Lab Analysis database and an analyzer calibration history trend plot. In addition, the look of the several plots and the choice of parameters are easily customized by the user with convenient pop-up screens.

Find out more at **thermofisher.com/PGNAA**

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