

DATA LOGGER

Digital test results –
accessible and efficient

The DATA LOGGER is the new reporting software for displaying, recording, and analyzing the amplitude and XY signals that EDDYCHEK® 5 generates throughout eddy current testing. The software electronically archives the results together with all relevant testing information.

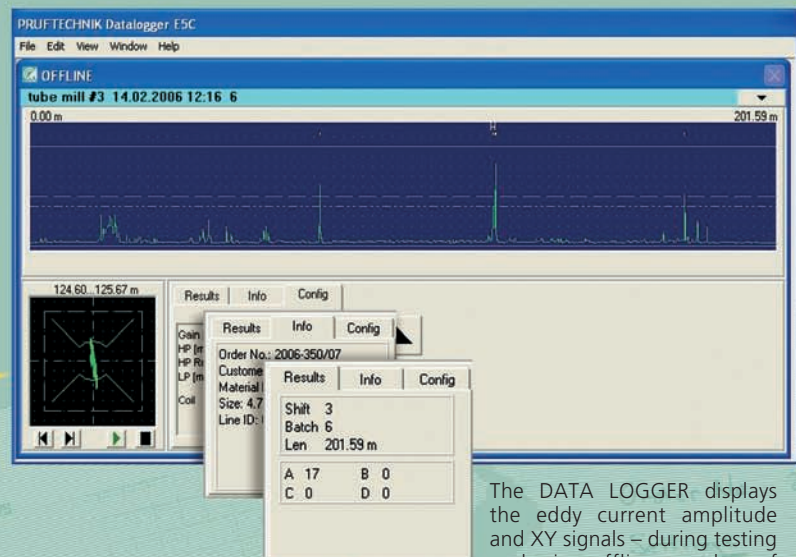
The recorded signals can be analyzed and the results can be used to optimize the test settings. With the DATA LOGGER electronic archive, all data remain easily accessible at all times, making it possible for the user to retrace a batch in accordance with the ISO 9000 standard.

Finally! Paperless recording

The new DATA LOGGER software documents test results according to the ISO standard without costly paper printouts or storage.

With just a few clicks, electronically archived test results, which contain signals and additional information, can be

- searched,
- analyzed,
- printed out,
- saved to a PDF file,
- saved to an HTML file.



The DATA LOGGER displays the eddy current amplitude and XY signals – during testing and, in offline mode, of archived data.

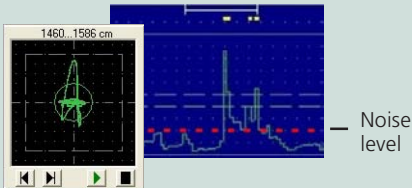
✓ **Digital recording**

✓ **Search engine**

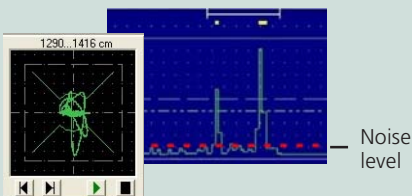
✓ **Optimizing test settings**

Optimizing test settings

Adjust signal-to-noise ratio



1. Signal-to-noise ratio is suboptimal.

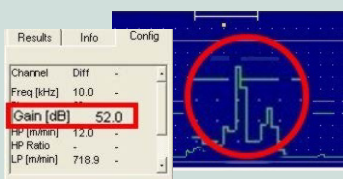


2. Change alarm mask to signal sector mask: noise is filtered out or reduced and defect signal becomes clear.

Adjust signal amplitudes



1. Defect signal does not reach alarm threshold.



2. Change gain value. Defect signal reaches alarm threshold and is recognized as a defect.

Analyzing test results

Searching for test results

You can search for a particular test piece in the archived test results, e.g. by date, batch number, production order number, defect counts, etc.



Zooming signals

Once you have retrieved the test results in question, you can use the zooming function to closely examine the amplitude signals.

Documentation up to standard

Archived test results

- ▶ Eddy current signals
- ▶ Test parameters
- ▶ Customer information
- ▶ Length of test piece
- ▶ Total number of defects
- ▶ Smart Sensor type and serial number

Printing and saving results

- ▶ Save test results to a PDF file or print them out, e.g. to make them easily accessible to your customers or attach them to the final product.
- ▶ Save test results to an HTML file.

EDDYTREND

For more information on parallel trend analysis, please ask for this brochure.



Smart Sensors

For more information on automated test verification, please ask for this brochure.



Technical data

- Operating systems
- Processor performance
- EDDYCHECK® 5 software

Microsoft® Windows NT®, Windows XP
 >800 MHz, 512 MB memory
 Version 3.2 or higher, 'Standard Reporting'
 EC5 5120, 'DATA LOGGER' EC5 5180.
 Only data created with this software can be displayed.

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