

# Optimizing processes with smart data analysis?

**This is how  
it's done!**



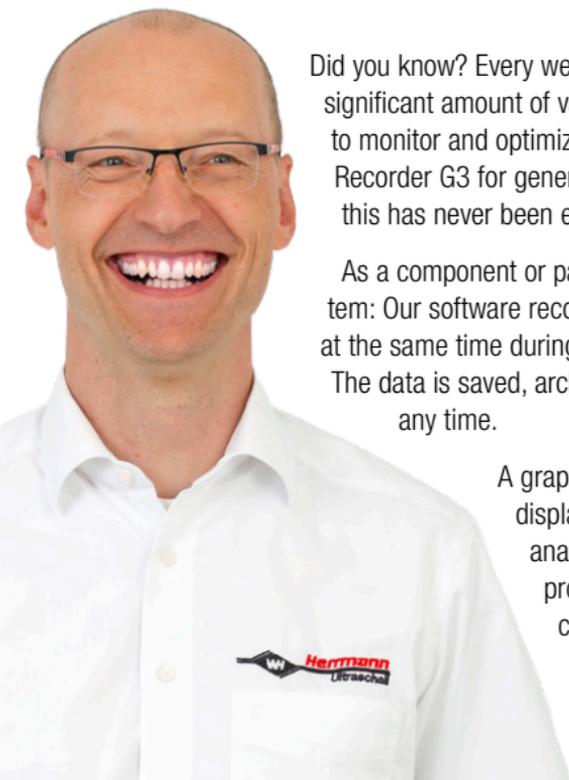
# The DataRecorder G3

## Recording, archiving and analyzing process data

Did you know? Every welding process generates a significant amount of valuable data – which you can use to monitor and optimize your process! With our DataRecorder G3 for generators of the ULTRA-X generation, this has never been easier.

As a component or part of an ultrasonic welding system: Our software records more than 150 parameters at the same time during each individual welding process. The data is saved, archived and can be exported at any time.

A graphical, numerical and temporal display makes it easier for you to analyze and evaluate the individual processes. This gives you complete control over your ultrasonic welding process!



## Simple analysis, fast optimization

You choose what is recorded, which visualizations you need, and where you want to use the process data:

- Real-time visualization of process graphics and trend diagrams in the DataViewer
- Transmission and archiving of selectable weld graph data (power, distance, force, amplitude, frequency) after each welding process
- Communication of status information, measured values, limits and parameters in MES systems via Ethernet (UDP)
- Exporting selected process data and weld graph data into the file system for further processing (CSV, ASCII formats)

## 100% data security

A constantly uninterrupted data recording of all relevant production data is guaranteed by monitored data buffering:

- Temporary storage of up to 5,000 datasets with all individually configured process data
- Explicit information on buffer utilization at 50 % and 100 %
- Data are reliably saved at a central location





**Well structured data recording with the DataRecorder software.**

## Plug & Record

**Ready to use in no time thanks to simple setup:**

- The DataRecorder G3 (DataServer and DataViewer) can be installed with just a few clicks on any desired PC
- The process data is automatically recorded as soon as the DataRecorder PC and the machines, systems or generators are in the same network
- The DataRecorder G3 records the process data of up to 16 generators of the ULTRA-X generation simultaneously

## Search and find

**Filter and search mechanisms are easy to understand and can be combined, allowing quick navigation through already archived data:**

- Data range: Filter with start and end date
- Weld system: Filtering by the IP address of the machine, system, or generator
- Application: Filtering by memory

# Got questions?

## We are here for you!

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