

STATOGRAPH CM+ / CM

Continuous process control
via web connection – anytime, anywhere



Highlights

- Decentralized operation: web-enabled access allows user inputs from mobile devices
- Innovative wizard sets parameters automatically
- Improved filters for even more precise testing
- Fieldbus connections for simple integration into control systems
- Intuitive and easy-to-understand user interface

Ready for Industry 4.0

For over 50 years, the STATOGRAPH module has been employed with great success to find surface defects in components via the eddy current method. Now, to make crack detection even easier and more intuitive, FOERSTER has further developed the STATOGRAPH to prepare it for integration into digitized production environments.

STATOGRAPH CM+ / CM

Compact and robust, the STATOGRAPH CM+ / CM consists of powerful hardware and software to guarantee reliable inspections. Both STATOGRAPH modules are network-compatible and can thus be operated via a tablet or smartphone. Production line status can therefore be checked anytime and anywhere, meaning that immediate corrective action can be taken if necessary. Test parameters and other settings can be captured and adjusted on the fly.

The STATOGRAPH CM+ also has a touch screen for use directly in the line. On the STATOGRAPH CM, a multi-color LED tells the device status with a quick glance into the control cabinet.

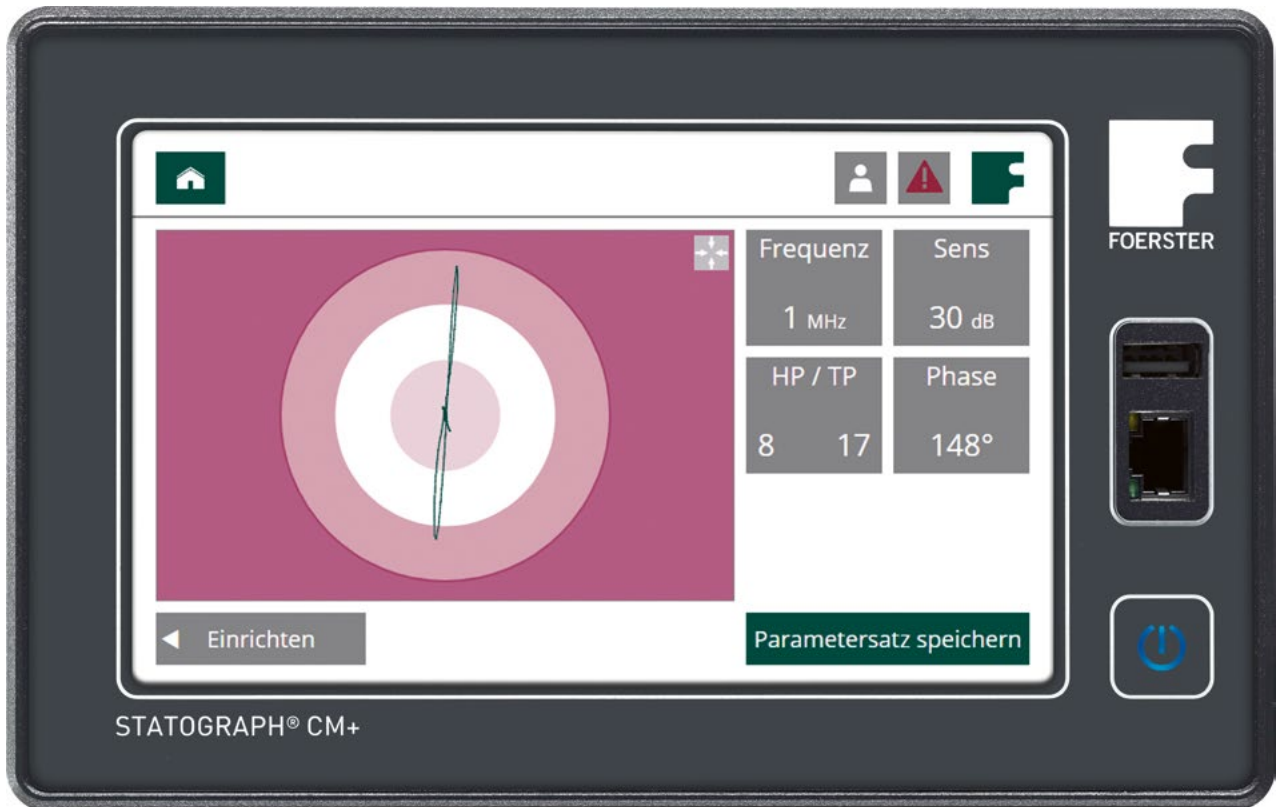
STATOGRAPH CM+ / CM

In today's manufacturing environment, comprehensive quality control of the parts being fabricated is more important than ever. Particularly in the automotive industry – but also in the production of fasteners – there are certain quality requirements that simply must be met. Besides, quality inspections provide insights into the entire production process and allow settings to be quickly optimized before major damage occurs.

FOERSTER has extensively developed the STATOGRAPH to make testing even simpler and more intuitive:

Intuitive operation, customizable display of signals

The user interface focuses on the essentials, so the operator can quickly and easily adjust the settings. In addition, the test results are clearly presented.



Evaluation of the surface structure using higher frequencies and sensitivity

Taking advantage of the extended frequency range (up to 10 MHz) opens up new possibilities in materials testing.

Precise suppression of interference through the use of improved filters

FOERSTER has further improved its high- and lowpass filters to ensure that every surface defect is reliably detected. The filters can be fine-tuned to screen out interference signals. And with its optimized distance compensation function, the system can compensate for even greater differences in distance.

Simple user administration

A selection of employee profiles make it easy to control and define who has access rights to the STATOGRAPH CM+/CM modules. Even the language can be set individually



Decentralized operation made possible through network capability and web service

The STATOGRAPH CM+/CM modules can be accessed from any standard browser via the device's IP address. This allows flexible retrieval of test data and statistics. In addition, the remote protocol allows exchange with external tools.

Simple integration in automotive

With the STATOGRAPH CM+/CM, FOERSTER paves the way for Industry 4.0. Industrial Ethernet (fieldbus) and Digital I/O enable simple integration into standard control systems for automated in-line testing.

Innovative wizard ensures fast, automatic setting of the correct parameters

Determining the right parameter settings for optimal testing can be time-consuming and difficult, even for experienced professionals. With the new STATOGRAPH CM+/CM, an integrated wizard now takes over this task. Basing its findings on a master test part, it automatically determines the optimum settings and saves them for later use.

Sensor technology

All existing probes can be connected as usual to the new STATOGRAPH CM+/CM modules. A broad portfolio of standard and special-purpose probes is available. This means that, with FOERSTER, you're optimally prepared for any challenge

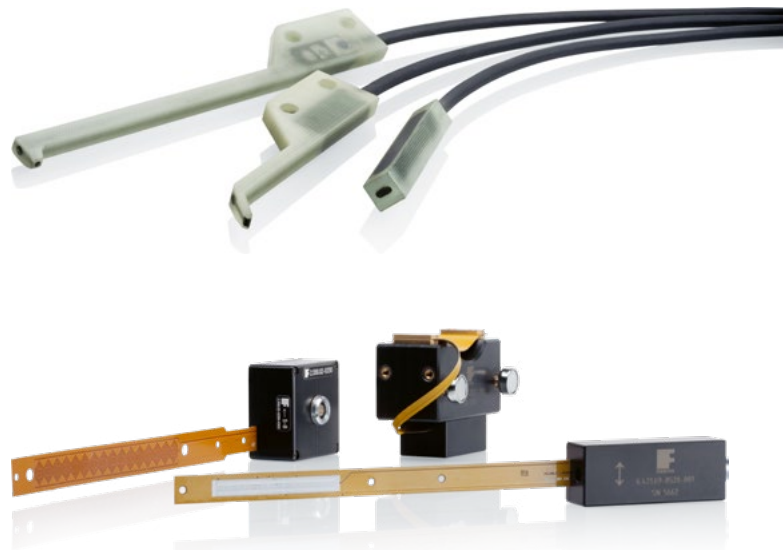
Standard probes

For crack testing on components, stationary differential-eddy-current probes are usually installed directly in the test station. These have a very high test sensitivity and generate reproducible test results



Special probes

Components with complex geometries require special test solutions. For this reason, FOERSTER's probe portfolio includes, among others, angled sensors and its Flexprobes, which are flexible probes that can be adapted to the unique geometry of the test piece. In addition, we can also develop customer-specific probes for high-resolution testing.





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