

SPECTRUM

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Spectrum Instrumentation - Your partner for ultra-fast and high-resolution PC measurement technology

Spectrum Instrumentation, founded in 1989, develops and manufactures ultra-fast and high-resolution PC products for signal capture and signal generation. We use a unique modular concept that allows us to offer over 200 different digitizers and arbitrary waveform generators (AWGs) that are available as PC cards (PCIe and PXIe) and stand-alone Ethernet devices (LXI). Thanks to this extensive product range, we can provide you with the perfect solution tailored to your needs.

At the same time, we offer comprehensive software support, including drivers for various operating systems, drivers for 3rd party software, as well as more than 50 different Linux distributions. With SBench6 we also provide you with very powerful, interactive and easy to use measurement software.

Today, our customer base includes international industrial companies as well as leading universities and institutions. For example, our products are used in the particle accelerator of CERN as well as in quantum research - because the products are so low-noise and precise that they can even be used to direct individual atoms.

With our international service and sales network, we are represented in the markets that are important for us - in Europe, Asia, Australia and the USA. This enables us to deliver on our core service promise outside of Europe and to guarantee individual support for our customers - already in more than 39 countries!



**Gisela
Hassler**
CEO



**Oliver
Rovini**
CTO



**Carsten
Gralla**
MD

"At Spectrum, we see service as our core mission. The needs of our customers are our highest priority."

Above all, service means good communication in order to understand your requirements and find the optimal solution for your company. With us, you can always speak directly with the developers and engineers - or with one of our experienced local partners. Short delivery times are just as much a part of our service as individual technical adaptations, where we precisely implement your specifications.

Enthusiasm for technology and the pursuit of perfection play the greatest role in the development of our products.



Spectrum mission statement

Enable customer progress through absolute customer focus.



It is our ambition to manufacture technically high-quality, well-engineered and durable products in the spirit of sustainability. Our team of engineers is continuously developing new product lines and perfecting existing ones. With more than 30 years of experience we achieve the highest quality standards. Furthermore, the needs, suggestions and requirements of our customers are always given special attention in the development of new products.

Testing, configuration and start-up of the products is done in-house, combined with permanent process optimization. As high quality and reliability are of special importance to us, we have developed our own quality management system for multi-stage, automatic test procedures. The inspections and tests performed on all of our products include comparative measurements of all the relevant parameters that are listed in the data sheet. The measured values are recorded and analyzed to improve product quality and to detect any deviations at an early stage. Permanent evaluation of the results ensures the highest product quality.

We totally believe in the high quality of our products. This is particularly reflected in the 5-year warranty they come with as standard. It is our ambition and target at Spectrum to achieve continuous improvement in what we do. And we want you and your company to benefit from it!

Our ambition



Excellent service and high performance



Highest quality and reliability



Your questions, suggestions and comments are always welcome!



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Milestones

1989



1996



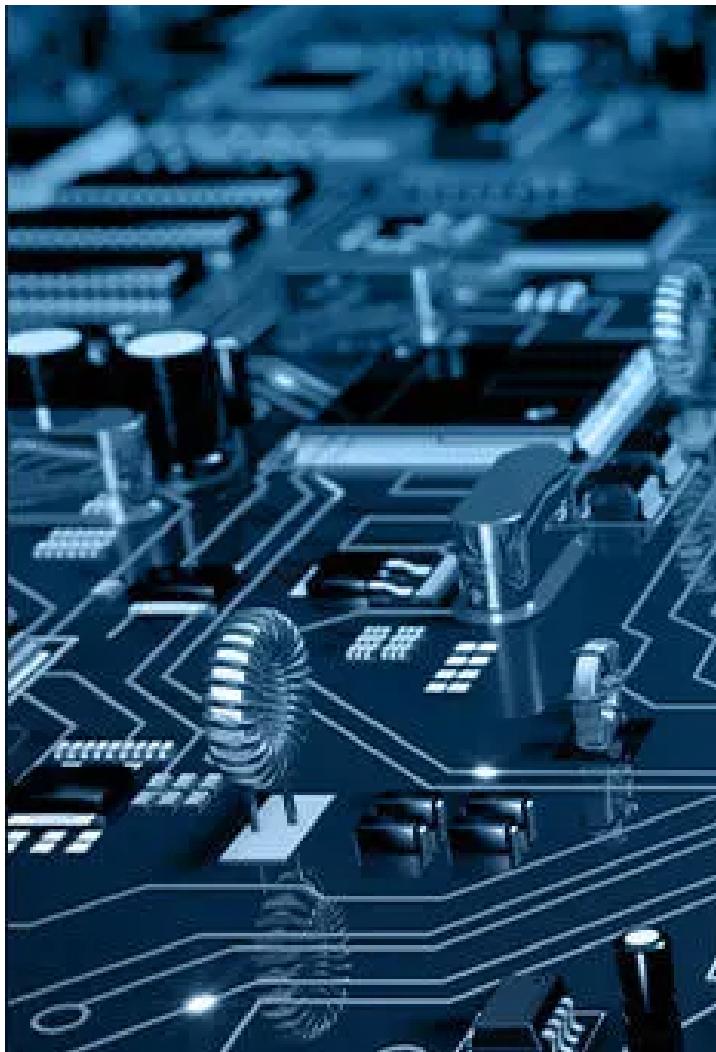
2000



1989

Spectrum was founded by Gisela Hassler and Michael Janz with the business objective of developing custom-built instrumentation. They started developing an own product line and created the first ISA card in 1991. This digitizer card with 50 MHz and 8 bit called "PAD52" was sold for 17 years until 2008! Many other ISA digitizers and the first Arbitrary-Waveform-Generator-cards followed in the next years.





The right product for every re

In measurement technology, you need custom-fit solutions. If you have questions about our product portfolio or would like to know more about our services, please contact us. Your needs. We are always happy to assist you!

[Contact Us Now! >>](#)

Contact us

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Italy

For all other countries use our contact formulas

Selected country:

Italy

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💬 Contact form

For support requests please use our [Support request form](#).

If we have a local distributor for your country, we'll forward your request there. You may also contact our distributors directly.

1 YOUR CONCERN



Call me back



Please send me price information



Please send me a formal offer for the listed products



Please send me a copy of the Digitizer Handbook

2 CONTACT DATA

* NAME

* COMPANY

* DEPARTMENT

* STREET

* ZIP

* CITY

*** COUNTRY***** E-MAIL****PHONE NUMBER**

Phone number

FAX NUMBER

Fax

3 MESSAGE**MESSAGE**

Your message...

I have read the [privacy policy](#).**Submit data**

Standards and memberships

Spectrum is member of many different organizations that define, maintain and promote high-performance instrumentation standards.

Directives

We comply with and fulfill all the rules and regulations in accordance to our environmental legal obligations.

CE

CE marking is a indicator of a product conformity with EU legislation and enables the free movement of products within the European market. The CE marking effects to many product groups - as well to our PC instrumentation product line. The products are tested to ensure that they meet the requirements of the CE directives and a CE mark is affixed.

ROHS

Lead-free products - we do it unsolicited. The RoHS directive aims to restrict certain dangerous substances commonly used in electronic and electronic equipment. All PC cards of Spectrum are listed in category 9 "Monitoring and Control Instruments" of the European RoHS directive and are therefore not forced to be lead-free. Our ambition is to produce as many lead-free products as possible. All new boards

are developed with lead-free components only. Existing products are changed to lead-free as soon as all components are available in a lead-free version.

REACH

The Regulation, Evaluation, Authorization, and Restriction of Chemicals (REACH) is a European Community Regulation related to the safe use and identification of chemicals (Regulation (EC) Number 1907/2006). According to REACH Spectrum Instrumentation GmbH is a „downstream user“. All Spectrum products are non-chemical products („articles“) as defined in REACH. Under normal and foreseeable conditions of use no substances are intended to be released.

Download the latest [REACH statement](#) of Spectrum Instrumentation.

PRODUCTS

- Digitizer
- AWGs
- Hybrid Systems
- Digital I/O
- Software
- Parameter Search

APPLICATIONS

- Application notes
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