



EMXmicro

- Unsurpassed Resolution and Precision with Less Laboratory Space

EMX | micro



The Smallest Integrated EPR System

The EMXmicro, the most recent CW-EPR spectrometer, is a fully digital, highly integrated spectrometer featuring field controller and signal processor with unsurpassed resolution and precision. The EMXmicro reduces lab space usually required by integrating these devices plus an optional temperature controller in the footprint of a tower PC.

The Integrated Signal Processors

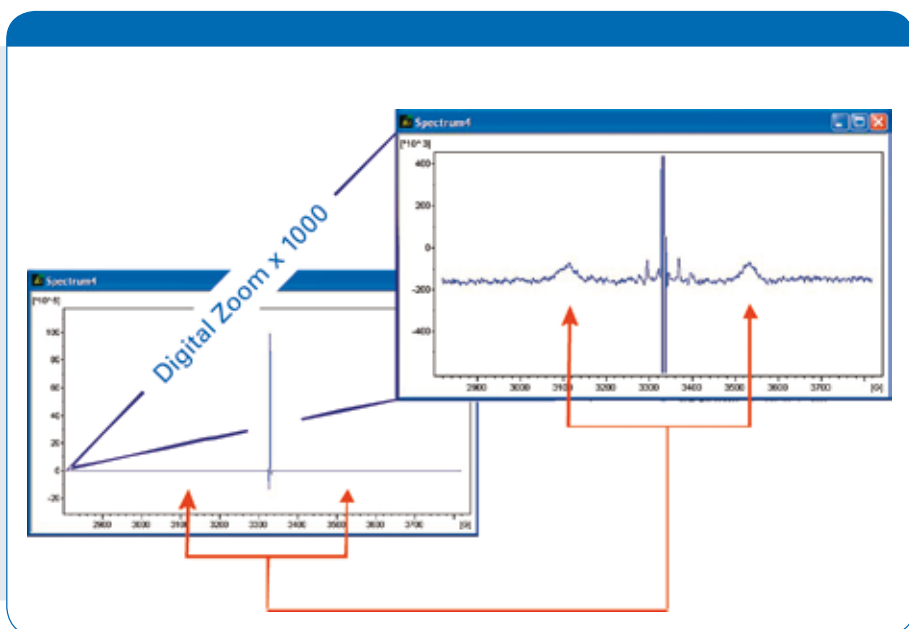
The recent development stages of the Signal Processors are an integral part of the EMXmicro. One of the key features is the state-of-the-art 18-bit digital resolution independent of the acquisition time. The example below clearly demonstrates this achievement: Large and very small signals will be digitized correctly with the same receiver gain.

The Integrated Field Controller

The EMXmicro field controller provides a practically unlimited digital resolution. This is key to properly probing and resolving narrow EPR lines in wide field scans.

The Integrated Variable Temperature Controller

The EMXmicro can be equipped with a newly developed variable temperature controller with full hardware and software integration.



Specifications

The EMXmicro provides top-notch specifications on an unparalleled small footprint with state-of-the-art DHCP/Ethernet networking.

Resolution

Digital Resolution (Field) : 18 bit
Digital Resolution (Signal): 18 bit

Sensitivity

Together with the newly developed EMXmicro X-Band microwave bridge, an exceptional sensitivity is guaranteed.

EMXmicro: Free Choice of Bruker BioSpin's Range of Magnets

The Bruker BioSpin wide selection of electromagnets provides you with ideal solutions for your unlimited field homogeneity and range requirements.

Service & Support by Bruker BioSpin

With all Bruker BioSpin EPR systems comes a world-wide network of expert service and application support. Offering easy and direct access to our renowned application and service specialists, your questions can be answered quickly. A wide selection of customer training courses are offered on a regular basis for the novice and expert instrument user.

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