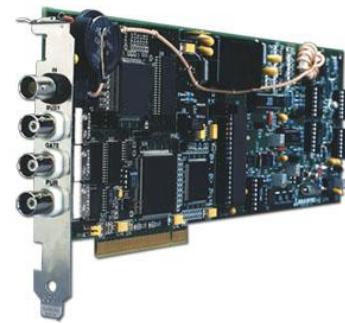# Multichannel Analyzers - Basic Analog

The wide range of choice in format and performance among the ORTEC Analog MCAs means that a solution to most instrumentation problems is easily found for:

- **Teaching laboratories**
- **Research**
- **Upgrade of existing NIM installations**
- **Low cost per input solutions for low to moderate count rate applications**

MCA Plug-in Cards

TRUMP PCI-8k or 2k PCI Format Multichannel Analyzer Plug-In Card and Software

- o Fast (8 µs) ADC and memory on a PCI-Bus plug-in card
- o Computer control of all MCA functions
- o MAESTRO-32 MCA Software included
- o Two versions . . . 8k and 2k channels

USB Standalone MCA

EASY-MCA 2k or 8k Channel Multichannel Analyser

- **Compact stand-alone MCA**
- **Two available versions in 2k or 8k resolution**
- **MAESTRO-32 MCA software included**
- **Fast, convenient USB2 connectivity**
- **Two versions . . . 8k and 2k channels**

NIM Format MCAs

926 Multichannel Buffer

- 8000-channel ADC (8 μs)
- 2 billion counts/channel
- Simple to install USB Interface
- Direct connection to legacy ORTEC devices
- Optional interface for PC parallel port connection
- MAESTRO-32 MCA software included

ASPec-927 Dual Multichannel Buffer

- Two inputs in a single wide NIM
- Fast (1.25-μs) 16 K channel ADC
- Interfaces via USB-2.0
- MAESTRO-32 MCA software included

920E EtherNIM 16 Input Multichannel Buffer

- 16-input, high-performance MCA in a two-wide NIM
- Integral Ethernet connection for instant integration into CONNECTIONS spectroscopy networks
- 16k-channel data memory, $2^{31}-1$ counts per channel
- 4k-channel ADC (15-µs fixed conversion time)
- Unique "dynamic routing" feature

921E EtherNIM High-Rate Multichannel Buffer

- High-speed MCA in a two-wide NIM
- Integral Ethernet connection for instant integration into CONNECTIONS spectroscopy networks
- Ultra-fast, 16k-channel <1.5 µs conversion time ADC
- 16k-channel data memory, $2^{31}-1$ (2 billion) counts per channel
- Digital spectrum stabilizer
- Sample changer control port

920E and 921E MCBs require A65-B32 MAESTRO-32 which must be ordered separately.