

Model SPA-3 Base Module

Features

The Base Module contains all control circuitry of the SPA-3 System and interfaces to the Quad ADC Port Modules and the PCI-Bus card. Up to 16 independent MCAs can be configured. Three front panel LEDs indicate the system status.



PERFORMANCE:

BASIC OPERATING MODE: List-Mode, PHA (Pulse Height Analysis) performed by MP-NT software

LIST-MODE:

Max. Throughput: List-Mode data stored in RAM or on optional hard disk array:

<4.000.000 events/s (number of total ADC conversions) using 16 ADCs, single parameter mode

SPECIFICATIONS:

ADC-port: four 16 bit ADC ports, data (64k) and control lines. Each ADC port can be software configured to be compatible to practically every existing model of nuclear ADC (Canberra, ND, Ortec, Silena, Laben, TN, Eurisys, etc.)

Live/True Time: resolution 1 ms

Preset Range: 1 ms to ∞

Digital Stabilizer: Multipoint Gain and Zero stabilization

DISPLAYS:

Power Good LED, Active LED, Busy LED

CONNECTORS:

ADC port: four 25 pin D-SUB (female) for data input and control lines for external ADC

FAST High Speed Link (FHS): 37-pin D-SUB (male) for SPA-3/PC communication

FAST MP Bus (FMP-Bus): 50-pin Centronics (female)

X-TRA POWER-In: 9-pin D-SUB (male) for supplementary power

POWER-Out: 9-pin D-SUB (female) for powering ADC Port modules

PCI-Card:

FAST High Speed Link (FHS) 37-pin D-SUB (f) for SPA-3/PC communication

I/O Port: connector cable with PC-mounting bracket with 15-pin D-SUB connector

ORDERING INFORMATION:

Example for a four-MCA System:

Order No. **SP3Y02** -SPA-3 System includes: SPA-3 Base Module, PCI Card with FHS-cable, SPA-NT Multiparameter Software for WIN-NT

Options:

Order No. **MP3PORT** - MPA-3 Quad ADC Port Module - extends SPA-3 system by four ADC ports (max. two additional Quad ADC Port modules per system)

Other system configurations on request

Shipping Weight: **approx. 2.5 kg**



PCI Interface Card

SPA-3 011299 Specifications are subject to change without prior notice