

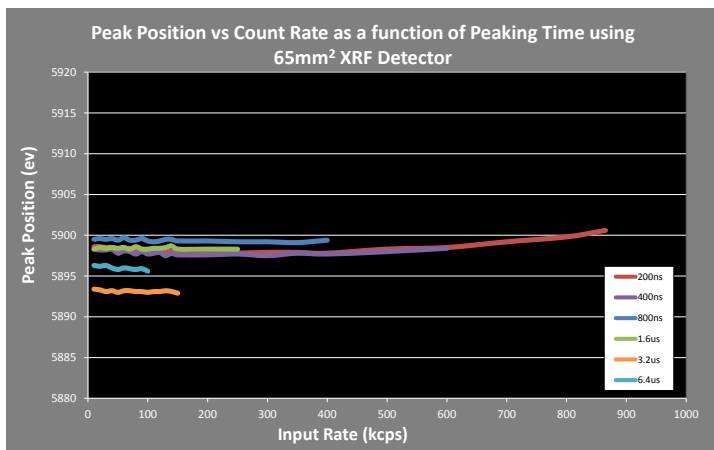
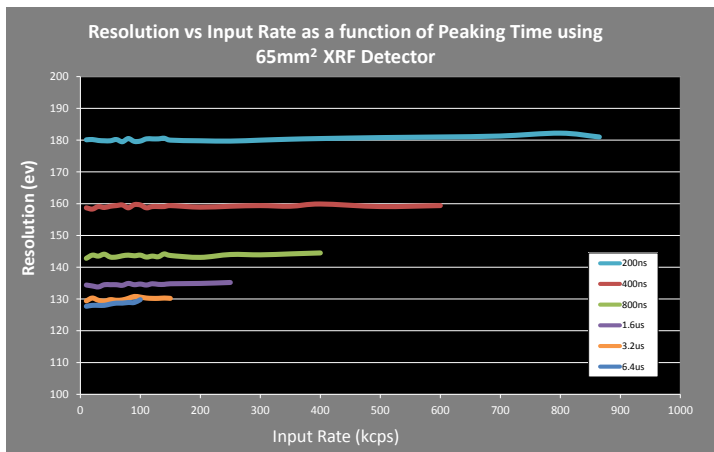
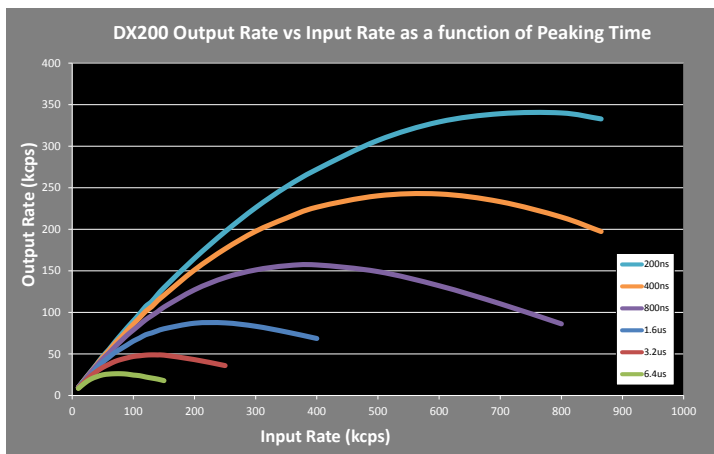


DX200, high speed Digital Pulse Processor designed for EDS and XRF Applications



The DX200 Digital Pulse Processor is a high performance signal processor designed for use with silicon drift detectors. It utilizes a fast 16bit 40Mhz ADC, enabling the shortest peaking times to fully exploit the high rate capability of modern drift detectors. The DX200 incorporates state of the art microprocessor and FPGA technology for parameter control, digital filtering, pile-up logic and spectrum transfer.

The DX200 offers a wide range of peaking times for applications ranging from those requiring optimum resolution performance through to the those that demand the highest rate. DX200 parameters are USB controlled, with spectrum transfer available via USB or real time event by event data via a 20-way parallel port.



Features

- High Rate capability
- Optimised discrimination giving excellent low energy performance
- Fast recognition circuits for excellent pile-up rejection
- DX200 parameters USB controlled
- USB and custom real time spectrum output
- Rates and dead-time available on SMA connectors
- Single +15V DC input
- Control and readout software compatibility with previous SGX digital processors

Performance

- Accepts input rates > 1Mcps
- Output rates > 300kcps
- Excellent resolution and peak stability with input rate

Physical

Dimensions 165 x 125 x 52 mm

Weight 700g

For more information please contact:

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