# **TechnoAP**

### Japanese leading manufacturer of devices

especially for the radiation measurements

## Real-time processing with high-performance FPGA

**Digital Signal Processor (DSP)** Model: APV8016A

For experiments using

semiconductor detectors Size: VME6U

Analog Input: 16 channels (Range: ±2 V)

ADC: 100 MHz, 16-bit

Energy Resolution: 1.70 keV@1.33 MeV

Output: 100 kcps or more / channel

### Suitable for multi-channel systems

DSP: Trapezoidal Filter, Baseline restorer, Pileup reject, CFD

Optional Mode: Coincidence, Rise-wave

Communication I/F: TCP/IP, Gigabit-ethernet

**Digital Pulse Processor (DPP)** Model: APV8108-14

#### For experiments using



Analog Input: 8 channels (Range: ±1 V)

ADC: 1 GHz, 14-bit

Time Resolution: Coarse 1 nano seconds

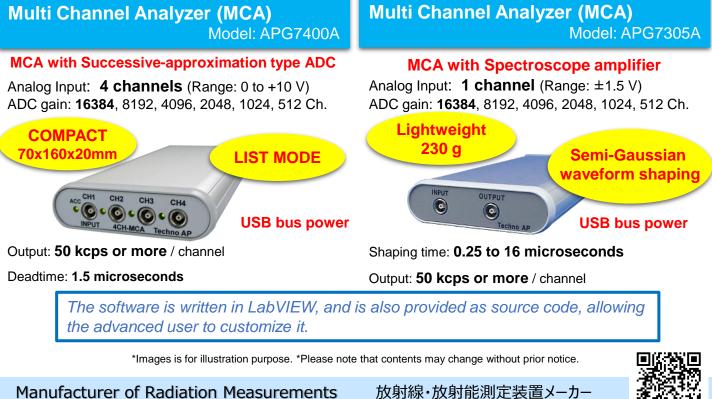
Fine: 3.9 pico seconds

Output: 1 Mcps or more / channel Support List-Com mode

Mode: Histogram, List (TDC + QDC), Waveform Optional Mode: List-wave, PSD, Coincidence Communication I/F: TCP/IP, Gigabit-ethernet

The board is provided with firmware and software. The data acquisition software runs under Windows OS and comes with an easy to use graphical user interface.

## **CUSTOM MADE for your needs. Contact us!**



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