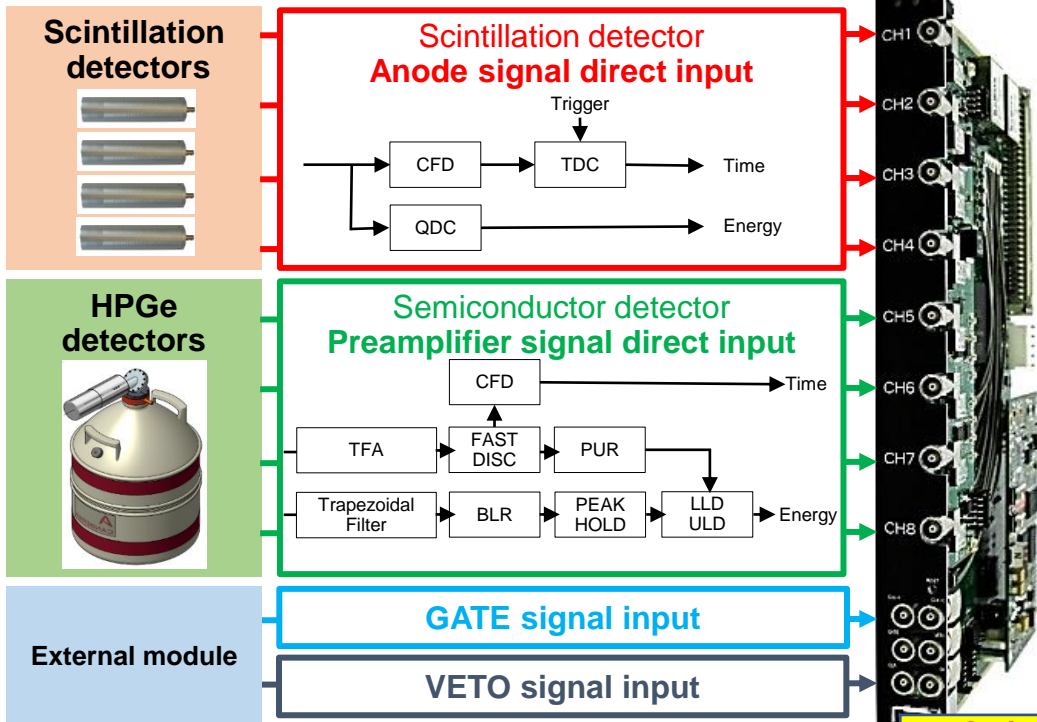


### Features

Digital signal processing online at the same time for each signal from the scintillation detector and semiconductor detector with one unit.



**Next-generation measurement module**

Channels 1 to 4 in the upper row can directly input the anode signal of PMT for coincidence or anti-coincidence.

\*Input only 2 channels for 1GS/s

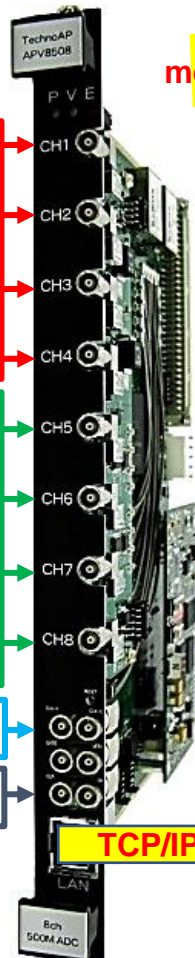
Channels 5 to 8 in the lower row input the preamplifier signal of the semiconductor detector and are digitally processed at 62.5 MHz

Equipment control & data collection device



Application Software

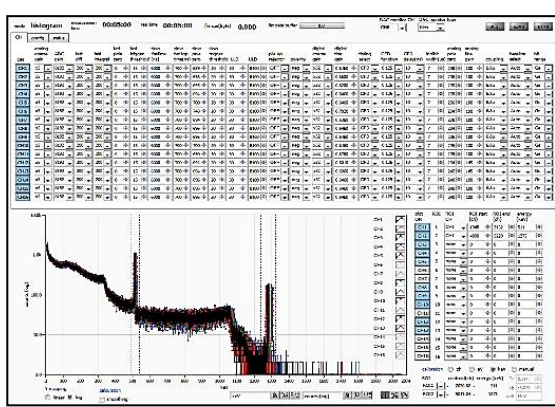
Recommended OS Windows 8.1 or later



TCP/IP

### Specifications

	1 to 4 CH *Upper row DPP part	5 to 8 CH *Lower row DSP part
<b>Input</b>	4 channel LEMO Input Impedance: 50 Ω Range: ±1 V	4 channel LEMO Input Impedance: 1 kΩ Range: ±2 V
<b>Course Gain</b>	x1, x3	x1, x2, x5, x10
<b>ADC</b>	500 MHz Resolution 14-bit	62.5MHz Resolution 14-bit
<b>ADC GAIN</b>	4k, 2k, 1k, 512, 256 ch.	16k, 8k, 4k, 2k, 1k, 512, 256 ch.
<b>Filter</b>	QDC	Trapezoidal Filter 0.1 - 12 μs *0.01 step
<b>Digital Processing</b>	CFD, TDC, QDC *All parameters set by PC	Baseline Restorer, Pileup Rejecter, CFD *All parameters set by PC
<b>External Terminal</b>	Output filtered waveform, Input CLOCK, Input GATE, Input VETO, Input CLEAR *2 terminals for function expansion	
<b>Communication I/F</b>	TCP/IP, Gigabit Ethernet	
<b>Dimension *digit: mm</b>	VME6U: 20(W) x262(H) x187(D), Weight: 460 g Desktop: 300(W) x56(H) x335(D), Weight: 3360 g	



Application screen \*histogram

Desktop type can be provided.



\*Images is for illustration purpose. \*Please note that contents may change without prior notice.

Manufacture of Radiation and Radioactivity measurement devices

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