

APV8216

Overview

The APV8216 is a high-speed multichannel analyzer (MCA) with 16 channel input.

An ADC is provided for each channel, and high-speed A/D conversion with a conversion time of 100 ns or less can achieve a throughput of 200 kcps or more for each channel.

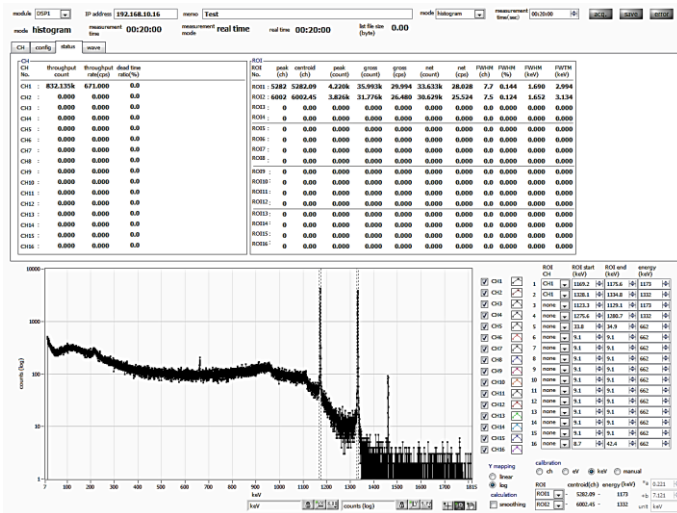
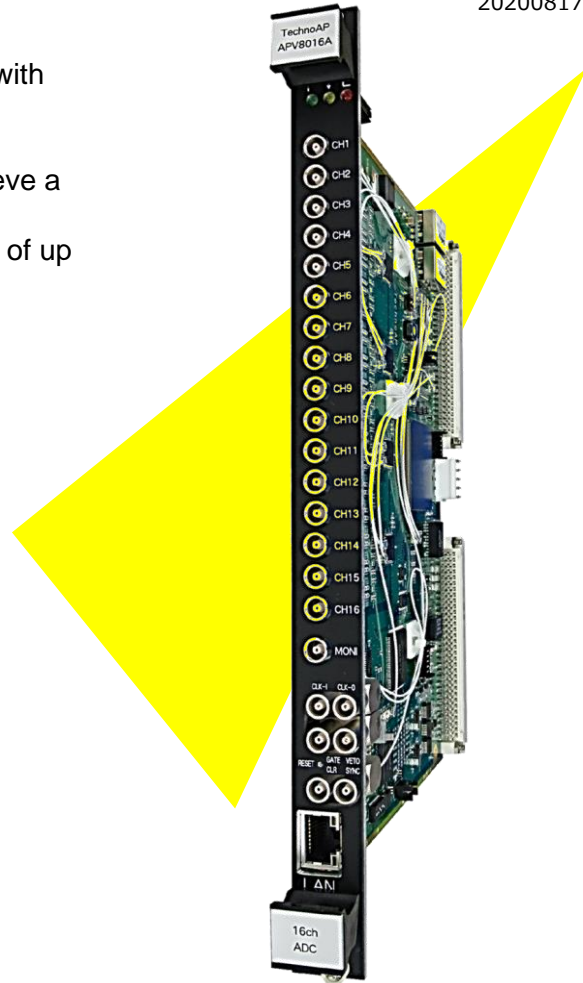
It is equipped with Gigabit Ethernet and can acquire List data of up to 1 Mcps per board.

Feature

- Input: **16 channel**
- Conversion time: **100 ns**
- Throughput: **200 kcps and more per channel**
- Measurement Mode: Histogram and List
- Communication I/F: TCP/IP, **Gigabit Ethernet**
- Form: VME6U size *Can be made standalone

Specifications

Analog Input	16 channel, LEMO connector
Input Range	0 - 10 V pulse
Input Impedance	1 kΩ
Inputtable pulse width	100 ns (min.) – 100 μs (max.)
ADC Gain	16k,8k, 4k, 2k, 1k, 512, 256ch
Integral Nonlinearity	±0.025% or less
Differential Nonlinearity	±1% or less
Threshold	0-50% Full-scale from PC
ADC LLD	0-100% Full-scale from PC
ADC ULD	0-100% Full-scale from PC
External Input: Gate	LEMO connector, TTL, Active High
External Input: VETO	LEMO connector, TTL, Active Low
Communication I/F	TCP/IP, Gigabit Ethernet
Dimensions Unit: mm	VME6U: 20(W) x262(H) x187(D) Standalone: 300(W) x56(H) x335(D)
Weight	VME6U: approx. 460 g Standalone: approx. 3360 g



Operation application screen (histogram)

Manufacture of Radiation and Radioactivity measurement devices

TechnoAP Co., Ltd.

2976-15 Mawatari, Hitachinaka-shi, Ibaraki, 312-0012, Japan

+81-29-350-8011

+81-29-352-9013

order@techno-ap.com

