

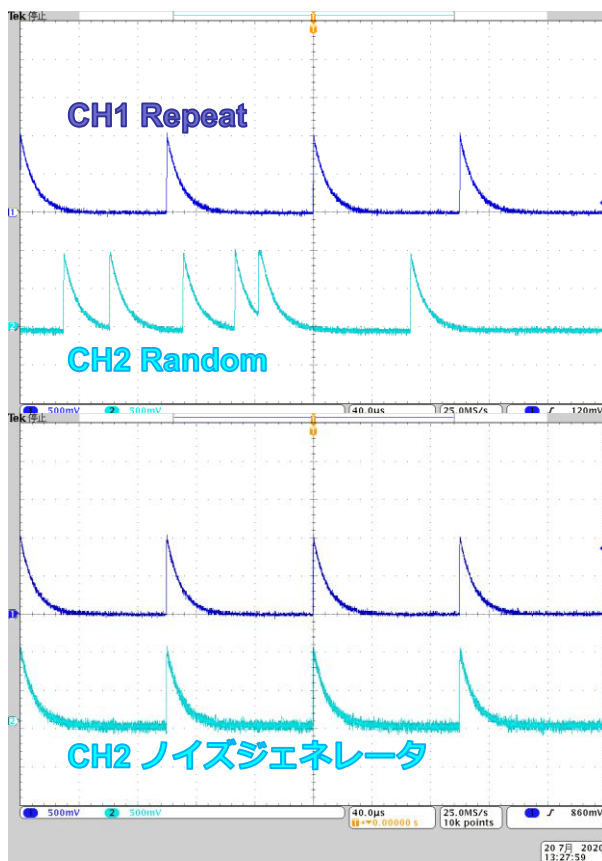
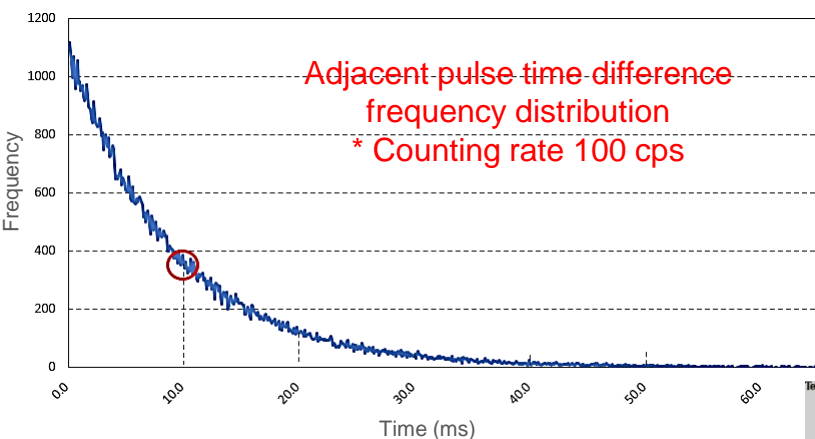
APU6001

Overview

Digital signal processing generates Decay pulses specific to radiation measurement. Equipped with a liquid crystal display panel on the front, arbitrary wave height value, Risetime, Decay, and period can be set using the front panel.

Features

- The probability event of the occurrence interval of the radiation event is reproduced using an exponential random number generation algorithm using FPGA.
- White Gaussian noise generation algorithm using FPGA.



Specifications

Output	2 channels
Output impedance	50 Ω
Count Rate	1 cps to 1 Mcps (1 Hz to 1 MHz)
Mode	Random or Repeat
Random distribution	Exponential distribution
Pulse shape	Tail pulse with adjustable Rise-time and Fall-time
Offset	±0 mV to 1000 mV
Random noise	±0 mV to 122 mV
Delay	10 us to 650 us
Decay	100 ns to 130 us
Risetime	10 ns to 500 ns * Can be changed every 10 ns
Amplitude	±1 mV to 1000 mV
External trigger	10 kΩ input impedance
Trigger output	1 V pulse, Rise-up 500 ns
Power consumption	AC 100 V / Max. 0.24 A
Dimensions	W: 22.4 x H: 8.9 x D: 27.0 cm
Weight	2700g

*Images is for illustration purpose.

*Please note that contents may change without prior notice.

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