

Product Introduction

# **7 Element SDD system**

TechnoAP Co., Ltd.



# Multi element SDD system

**TechnoAP**

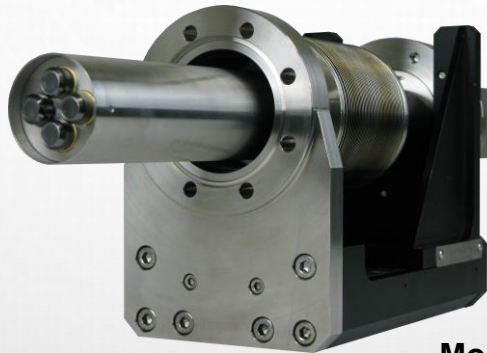
We manufacture and sell such an SDD system to respond to customer's request.

**7-element**



Model: XSDD50-07

**4-element**



Model: XSDD50-04

**1-element**



Model: XSDD50-01

- ✓ High Rate Performance
- ✓ Ultra-fast Digital Pulse Processors
- ✓ Designed to suit customer requirements.
- ✓ Detectors are also available with windowless construction.

**CUSTOM MADE**  
for your needs!

# Multi element SDD system

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## 7 element SDD system

High counting and high sensitivity are realized by suitable DSP processing

### Silicon Drift Detector



Model: XSDD50-07  
1 pc

### Power supply module for the Detector



Model: APU3900  
1 pc

### Measurement module



\*This image is APU504XGbE.

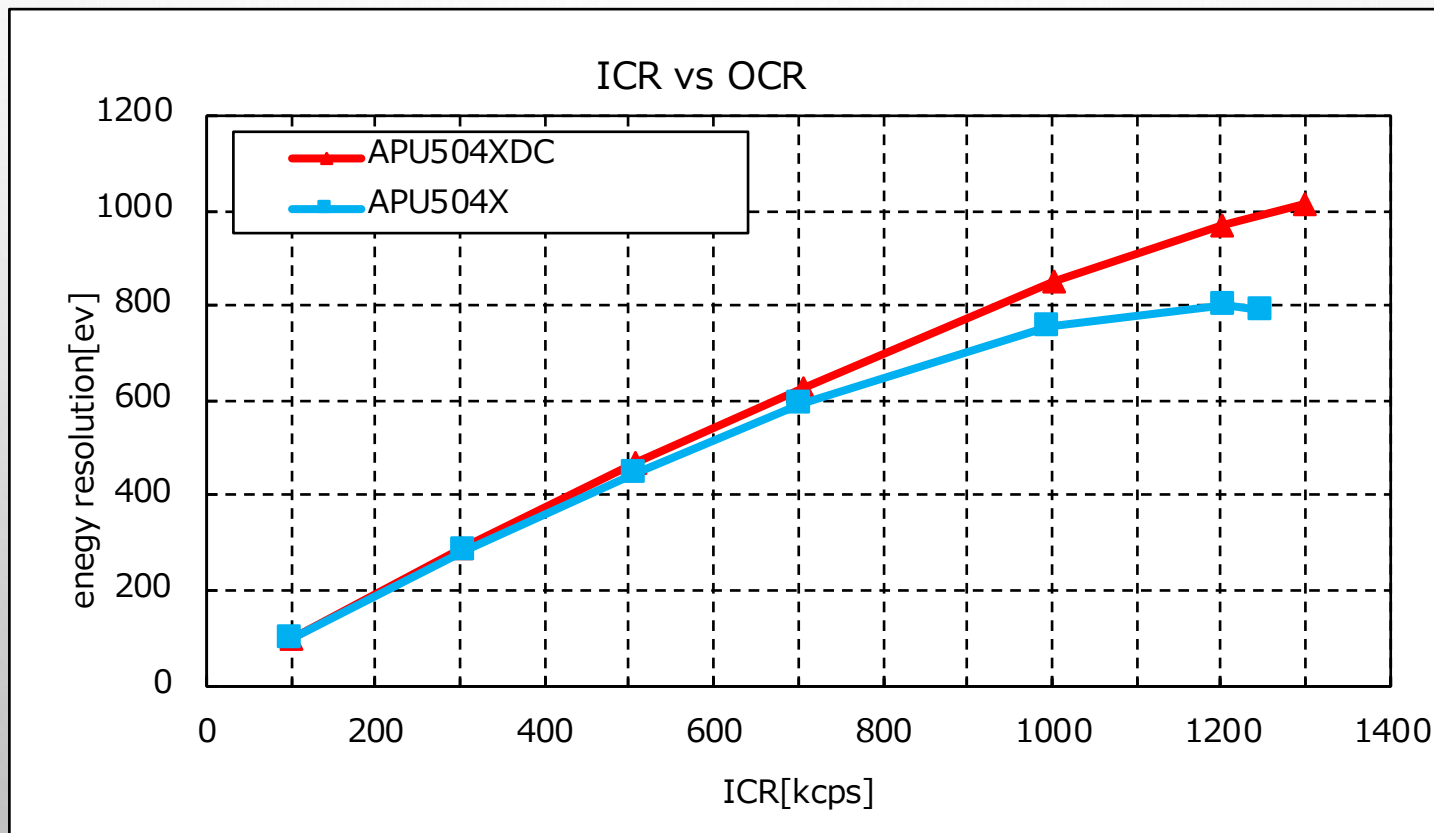
Model: APU504XGbE  
2 pcs

Note: The following items are included free of charge.

1. Software for system control and data acquisition
2. Cables connecting each devices

## 7 element SDD system

Performance: ICR vs OCR

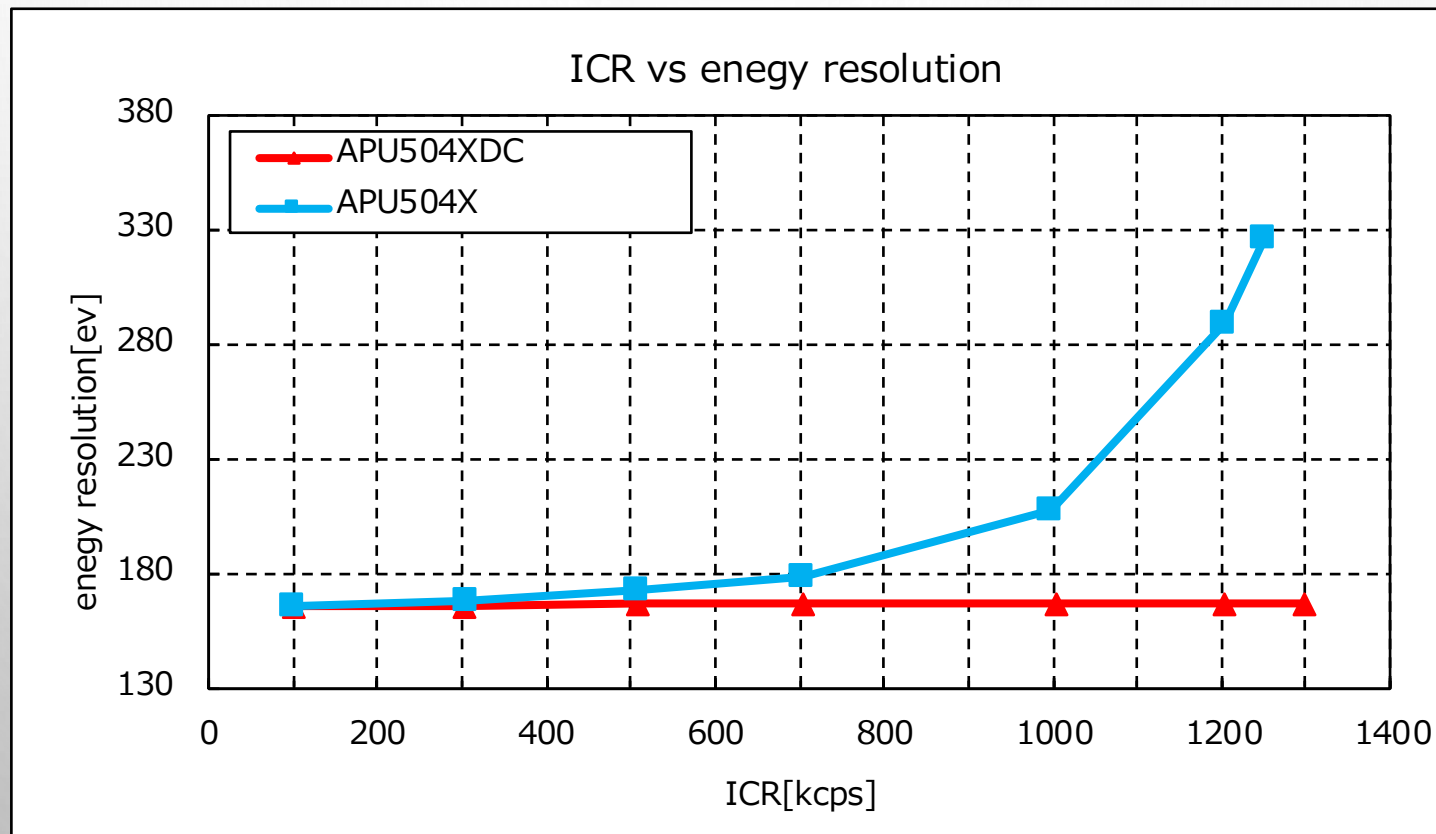


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## 7 element SDD system

Performance: ICR vs Energy Resolution

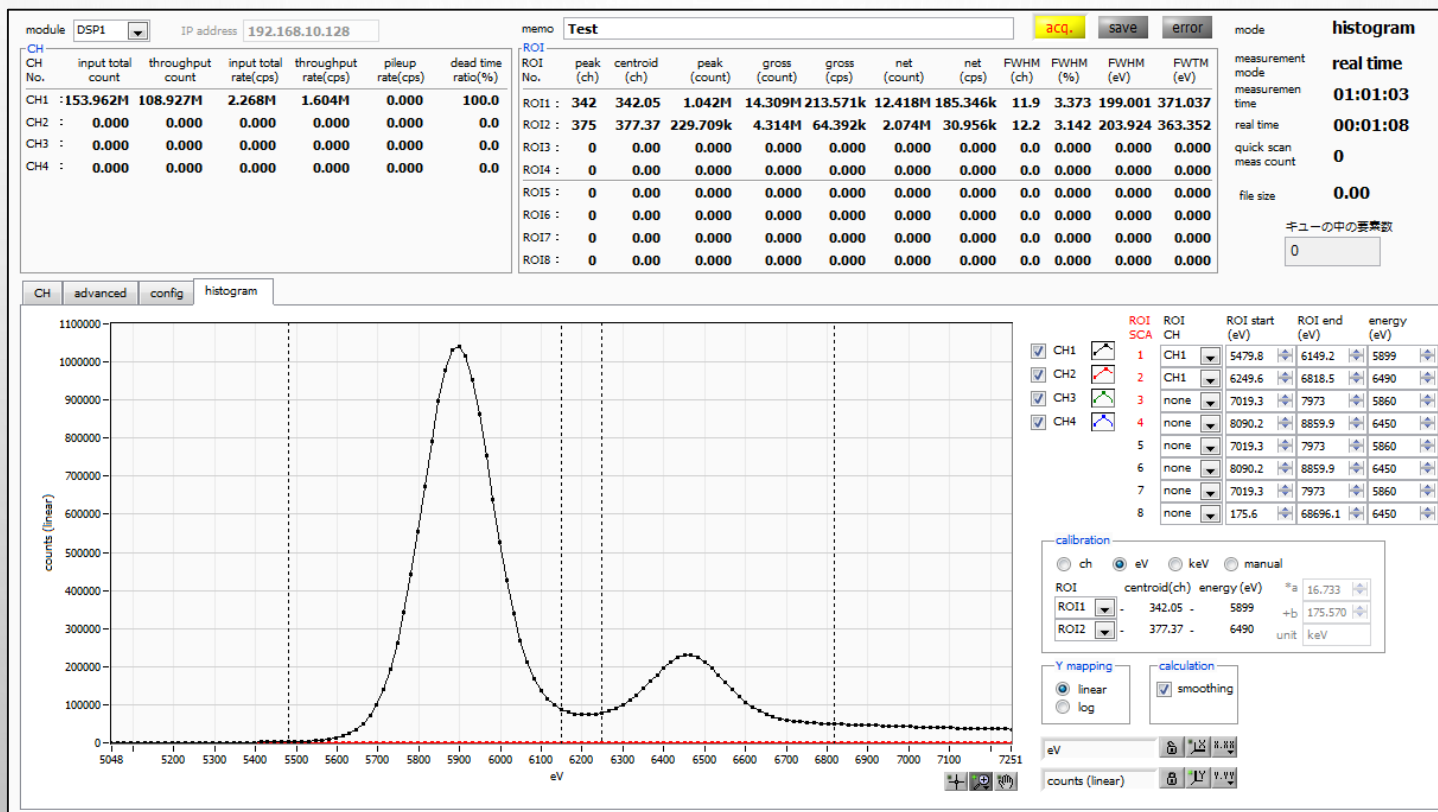


# Multi element SDD system

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## 7 element SDD system

High counting and high sensitivity are realized by suitable DSP processing

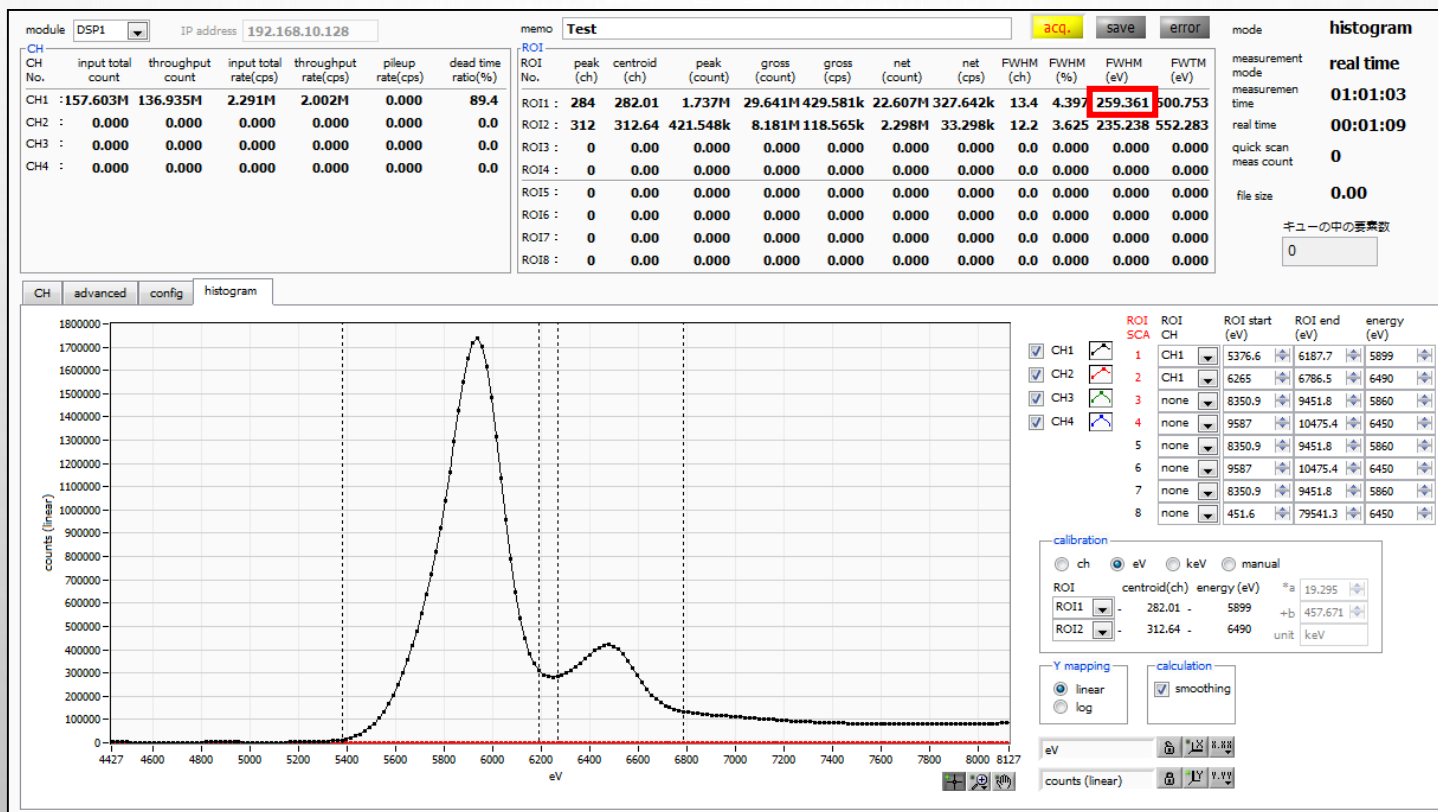


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## 7 element SDD system

High counting and high sensitivity are realized by suitable DSP processing



The resolution of MnK $\alpha$  is 259 keV

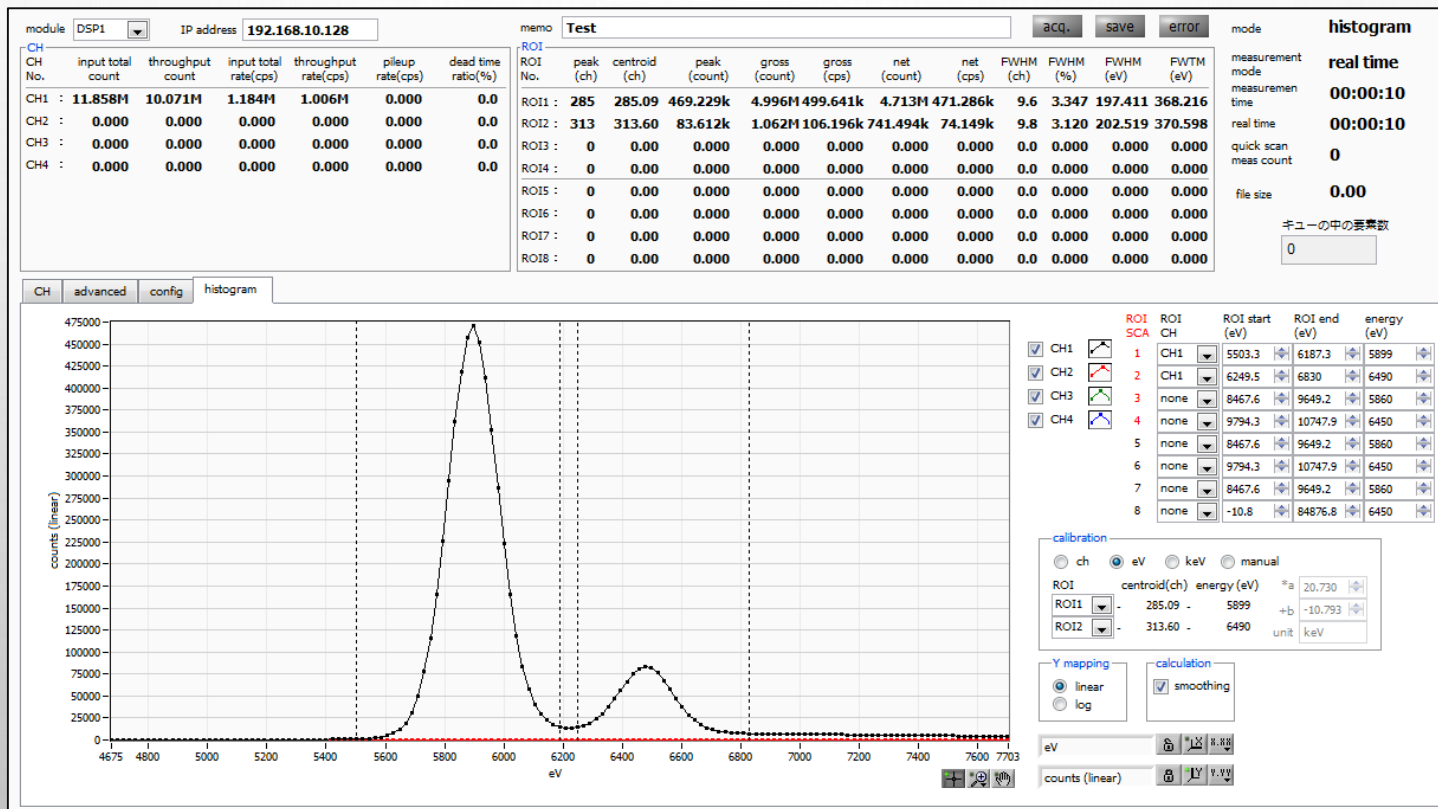


# Multi element SDD system

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## 7 element SDD system

High counting and high sensitivity are realized by suitable DSP processing



# Multi element SDD system

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## 7 element SDD system

High counting and high sensitivity are realized by suitable DSP processing

*Silicon Drift Detector*



*Power supply module for the Detector*



*Measurement module*



\*This image is APU504XGbE.

High counting measurement is possible  
by appropriately performing transistor reset processing  
and Digital Signal Processing



## CONTACT

Please do not hesitate to contact us if you have any questions regarding the product.

[OFFICE] 2976-15 Mawatari, Hitachinaka-shi,  
Ibaraki-ken, Japan, 312-0012

[TEL] **+81-29-350-8011**

[FAX] +81-29-352-9013

[E-MAIL] **order@techno-ap.com**

[WEB] <http://www.techno-ap.com>