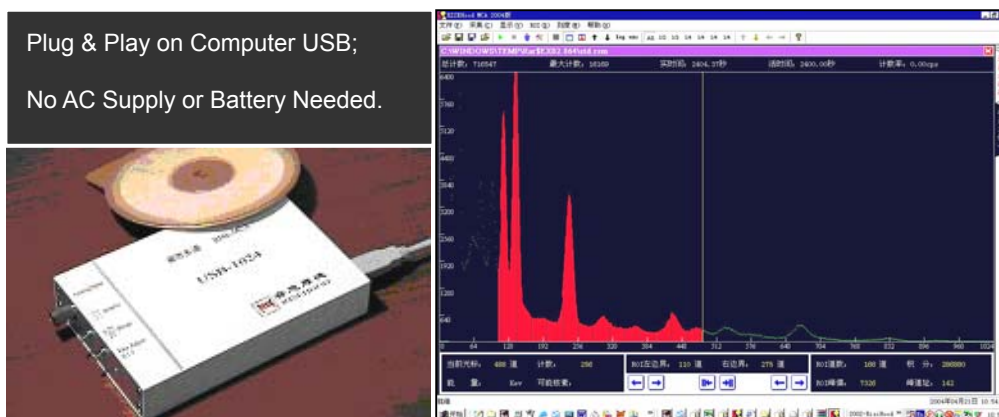


RISE-MCA

A NEW SERIES OF MULTICHANNEL ANALYZER

- ❖ INTEGRATED SPECTROSCOPE ADC, USB INTERFACE
- ❖ RADIATION SPECTRUM ACQUISITION & ANALYSIS
- ❖ SOFTWARE FOR WINDOWS 98 / 2000 / XP.

USB-1024 Pocket MCA



RISE-MCA USB-1024 SPECIFICATIONS

Number of Channel	1024	Gain Temperature Coefficient	$\leq \pm 0.1 \% / ^\circ\text{C}$
Capacity per Channel	32-Bit	Zero Temperature Coefficient	$\leq \pm 0.2 \text{ ch} / ^\circ\text{C}$
ADC Conversion Time	$5\mu\text{s}$	Gain Instability in 24h	$\leq \pm 0.2 \%$
Signal Polarity	+ / -	Zero Instability in 24h	$\leq \pm 1 \text{ ch}$
Analog Dynamic Range	2V (Gain=1)	Error of Life-Time Correction	$\leq 4 \% (0-5 \times 10^4 \text{ CPS})$
Threshold	10 - 500 ch	Data Bus & Power Current	USB 1.0, $\leq 300\text{mA}$
Input Resistance	$> 1\text{k}\Omega$	Dimension	$16\text{cm} \times 10\text{cm} \times 2.5\text{cm}$
Coupling	AC / Active BLR	Weight	300g (Ex PC)
Coarse Gain Adjustment	1 - 2 - 4 - 8	Software: Operated on Win98/2000/XP Multi-ROI Arrangement Auto Peak Search Peak Area and Resolution Calculating Digital Spectrum Stabilization Energy Scaling Isotope Database	
Fine Gain Adjustment	0.5 - 1		
Max. Input Pulse Rate	$> 5 \times 10^4 \text{ CPS}$		
DNL	$\leq \pm 1.0\%$		
INL	$\leq \pm 0.05 \%$		

RISEHOOD CO., LTD

Building 6, 268 Chenfulu, Haidian Science Park
 Beijing 100084 China Tel / Fax: 8610-6253 9156
 www.risehood.com E-mail: Admin@risehood.com



RISEHOOD

Radiation Info System Ensemble

1-416-538-6700 (Toronto, Canada)
 Iris@risehood.com

γ -Ray Spectroscopes Based on RISE-MCA



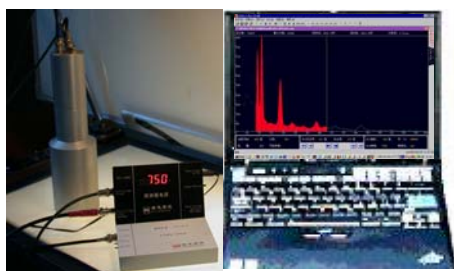
HV-1000 Detector High Voltage Supply

Input: AC 220V
 HV Output: 500V—950V, 1mA, Digital Indication
 Instability in 24h: $\leq \pm 0.02\%$
 Bias Supply: -12V, -24V or +12V
 Weight: 350g
 Dimension: 10cm \times 15.5cm \times 5 cm

USB-1024 Pocket MCA Hardware

RISE Spectroscopy Software

DS -1024 Desktop Scintilloscope



NaI Detector (2", 3", optional)
 HV-1000 High Voltage Supply
 USB-1024 Pocket MCA
 Desktop or Laptop PC
 RISE Spectroscopy Software

LS-1024 Low-level Scintilloscope



3" NaI Detector (Res. 7.5 %, Cs-137, 662 keV)
 Lead Chamber (10cm Thickness)
 HV-1000 High Voltage Supply
 USB-1024 Pocket MCA
 Desktop PC, RISE Spectroscopy Software
 (Included Radiation Analysis of Building Materials & Room Radon)

PS -1024 Portable Scintilloscope



RISE NaI Detector
 $\Phi 40\text{mm} \times 20\text{mm}$ Scintillator
 Energy Resolution: better than 8% (Cs-137)
 HV, Preamp and Lithium-Ion Battery Inside



USB-1024 Laptop PC
 RISE Software