





RSX-5 (16L with 4L up detectors)

Spectrometer		Detectors	
Channels	1024	RSX-4	4 x 4L Nal(TI)
Differential nonlinearity	<0.2% over top 99.5%	RSX-5	4+1 x 4L Nal(TI)
Integral nonlinearity	<0.01% over top 99.5%	Energy resolution	<8.5% ⁽⁴⁾
Zero dead time(1)	V	6,	
Baseline restoration	Digital (IPBR) (2)	Power	
Pulse shaping	Digital (AOPS)(3)	RSX-4	9-40 VDC, 50 W
Pile-up rejection	Digital (<40nS)	RSX-5	9-40 VDC, 55 W
Pile-up contamination	<1% @ 250kcps		
		Weight	
Sample rate	0.1-10 sec ⁻¹	RSX-4	91 kg (200 lb)
Timing	Internal/External	RSX-5	114 kg (250 lb)
Gain stabilization	Automatic multi-peak		
1/0	Ethernet	Size	
	RS-232 19200-115200 bit/s	RSX-4	690 mm x 573mm x 177mm ⁽⁵⁾
	USB memory stick	DOV 5	(28.80in x 22.56in x 6.97in)
Outputs		RSX-5	690 mm x 573mm x 288mm (28.80in x 22.56in x 11.32in) ⁽⁵⁾
Composite spectrum	✓		(20.0011 × 22.3011 × 11.32111)
Individual spectra	✓	Environmental	
State of health	✓	Operating Temp.	-30°C to +45°C
		opera8 10p.	00 0 10 10 0
Inputs			
Detector configuration	✓		
Operational parameters	V		
Trigger signal	V		
Calibration data	V		

Notes

- (1) The RS-500 has no dead time in a traditional sense. A live time clock will be adjusted for loss of system measured pile-up rejections to give an apparent dead time to ensure the absolute count rate is correct.
- 1PBR Individual Pulse Baseline Restoration. The baseline is established for each individual pulse for maximum pulse height accuracy.
- ³⁾ AOPS Automatic Optimized Pulse Shaping. Pulses are continuously analyzed and the signal pulse shaping adjusted for optimum performance.
- (4) Stated energy resolution is for new systems. Refurbished system performance depends on quality of Xtals supplied.
- (5) The dimension includes removable mounting rails



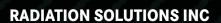




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