

Model	Accessories	Options	Product Description	US End User Price 2024
Pulse Generators				
525			6-Channel Pulse Generator Module (2 ns resolution) USB 2.0 Standard	\$2,875.00
765-2			2 Channels Pulse Generator 70 ps edge time 5 Volts	Starting at \$34,000
765-4			4 Channels Pulse Generator 70 ps edge time 5 Volts	
	P/N 765-SSKit		1TB Solid State Disk for 765 series	
	P/N 765-RM		Rackmount Kit	
Current Generators				
507-2C			2-Channel Current Pulse Generator (25 amps/45 V)	\$7,400.00
507-4C			4-Channel Current Pulse Generator (25 amps/45 V)	\$11,200.00
508-2C			2-Ch, 6 Amp Current Generators w/ Resistance Measurement	\$7,850.00
508-4C			4-Ch, 6 Amp Current Generators w/ Resistance Measurement	\$11,500.00
		-G	GPiB Programming (Model 507)	\$500.00
		-E	Add Ethernet Communication (replaces the USB, Model 508)	\$750.00
	P/N6925		19" Rack Mount for Model 507	\$450.00
Digital Delay Pulse Generators				
575-2C			2-Channel Digital Delay Generator (250 ps Delay & Width Resolution, RS-232, USB Standard)	Starting at \$3700
575-4C			4-Channel Digital Delay Generator (250 ps Delay & Width Resolution, RS-232, USB Standard)	
575-8C			8-Channel Digital Delay Generator (250ps Delay & Width Resolution) RS-232, USB Standard	
		-AT20	TTL/Adjustable 20 V Electrical Output (price per bank of 2 channels)	
		-AT35	TTL/Adjustable 35 V Electrical Output (price per bank of 2 channels)	
		-AT45	High Voltage (45 Volt) Output, Increased Pulse Width, Fast Rise Time (price per bank of 2 channels)	
		-L82	820nm Optical Output (price per bank of 2 channels)	
		-L130	1300nm Optical Output (price per bank of 2 channels)	
		-T235	TTL 50 Ohm Match/35 V Adj Output (price per bank of 2 channels)	
		-T250	TTL/Adjustable 50 Ohm Match (price per bank of 2 channels)	
		-H15	Electrical 15 V Adjustable Input	
		-H82	820 nm Optical Input	
		-H130	1300 nm Optical Input	
		-DT15	Dual Trigger 15 V Adjustable Input	
		-COM	Add GPiB and Ethernet communication	
		-S	Standard RS232 & USB	
		-I	Increment Mode	
		-US	115 V North American Power Cord	
		-EU	230 V European Power Cord	
	P/N6923		19" Rack Mount, Model 575	
	P/N6978		19" Dual Rack Mount, Model 575	
577-4C			4-Channel Digital Delay Generator (250 ps Delay & Width Resolution & 50 ps Internal Jitter) RS-232, USB Standard	Starting at \$5300
577-8C			8-Channel Digital Delay Generator (250 ps Delay & Width Resolution & 50 ps Internal Jitter) RS-232, USB Standard	
		-AT20	TTL/Adjustable 20 V Electrical Output (price per bank of 2 channels)	
		-AT35	TTL/Adjustable 35 V Electrical Output (price per bank of 2 channels)	
		-AT45	High Voltage (45 Volt) Output, Increased Pulse Width, Fast Rise Time (price per bank of 2 channels)	
		-L82	820 nm Optical Output (price per bank of 2 channels)	
		-L130	1300 nm Optical Output (price per bank of 2 channels)	
		-T235	TTL 50 Ohm Match/35 V Adj Output (price per bank of 2 channels)	
		-T250	TTL/Adjustable 50 Ohm Match (price per bank of 2 channels)	
		-H15	Electrical 15 V Adjustable Input	
		-H82	820 nm Optical Input	
		-H130	1300 nm Optical Input	
		-DT15	Dual Trigger 15 V Adjustable Input	
		-COM	Add GPiB and Ethernet communication	
		-S	Standard RS232 & USB	
		-US	115 V North American Power Cord	
		-EU	230 V European Power Cord	
	P/N6923		19" Rack Mount, Model 577	
	P/N6978		19" Dual Rack Mount, Model 577	
588-1U-4C			4-channel DD/PG 250 ps, 1U 19" (Ethernet, RS232, USB standard, GPiB not available on this model)	\$5,450.00
588-1U-8C			8-channel DD/PG 250 ps, 1U 19" (Ethernet, RS232, USB standard, GPiB not available on this model)	\$7,650.00
		-T250	TTL/Adjustable 50 Ohm Match (price per bank of 4 channels)	\$350.00
		-DT15	Dual Trigger 15V Adjustable Input	\$225.00
		-I	Increment Mode	\$250.00
588-OEM-1ns-2Ch			OEM 2-channel, 1 ns, Series Board Level Pulse Generator	\$2,250.00
588-OEM-1ns-2Ch-P.S.			OEM 2-channel, 1 ns, w/Power Supply, Series Board Level Pulse Generator	\$2,450.00
588-OEM-1ns-4Ch			OEM 4-channel, 1 ns, Series Board Level Pulse Generator	\$2,950.00
588-OEM-1ns-4Ch-P.S.			OEM 4-channel, 1 ns, w/Power Supply, Series Board Level Pulse Generator	\$4,350.00
588-OEM-1ns-8C			OEM 8-channel, 1 ns, Series Board Level Pulse Generator	\$4,150.00
588-OEM-1ns-8C-P.S.			OEM 8-channel, 1 ns, w/Power Supply, Series Board Level Pulse Generator	\$4,350.00
588-OEM-250ps-4C			OEM 4-channel, 250 ps Series Board Level Pulse Generator	\$4,250.00
588-OEM-250ps-4C-P.S.			OEM 4-channel, 250 ps, w/Power Supply Series Board Level Pulse Generator	\$4,250.00
588-OEM-250ps-8C			OEM 8-channel, 250 ps Series Board Level Pulse Generator	\$5,250.00
588-OEM-250ps-8C-P.S.			OEM 8-channel, 250 ps, w/Power Supply Series Board Level Pulse Generator	\$5,550.00
		-T250	TTL/Adjustable 50 Ohm Match (price per bank of 4 channels)	\$450.00
		-DT15	Dual Trigger 15 V Adjustable Input	\$300.00
		-I	Increment Mode	\$300.00
725			Multi-Trigger Digital Delay Generator	\$6,690.00
750-4C			Digital Delay Generator, 4 Channels	\$3,500.00
750-8C			Digital Delay Generator, 8 Channels	\$5,750.00
745T-4C-GOC			Touchscreen Digital Delay Generator, 4 Channels	Quote
745T-8C-GOC			Touchscreen Digital Delay Generator, 8 Channels	Quote
	P/N7060		19" Single Rackmount - Model 745T-4C-GOC or 745T-8C-GOC	
	P/N7061		19" Dual Rackmount - Model 745T-4C-GOC or 745T-8C-GOC	
745T-20C-100ps			20-Channel Femtosecond Digital Delays with 100ps, 3-6V outputs standard	Starting at \$33,000
745T-20C-1ps			20-Channel Femtosecond Digital Delays with 1ps, 3-6V outputs standard	
		-10V	10 V Channel Output (price per channel)	
		-20V	20 V Channel Output (price per channel)	
		-32V	32 V Channel Output (price per channel) - 4 Channel Max	
Model Accessories Options Product Description US End User Price 2024				
High Voltage Current Generators / Laser Diode Drivers				
PCO-7121			PCO-7121 50A 1MHz High Speed Laser Diode Driver (Minimum Order Qty 5)	\$800.00
PCO-7121 Accessory Kit			PCO-7121 Accessory Kit: (1) PCA-7000 PCO-7121 Control Cable (1) PCO-7121 Operating Manual	\$150.00
PiM-Mini-200			PiM-Mini-200 Pulsed Current Source	\$1,200.00
PiM-Mini Series Accessory Kit			PiM-Mini Series Accessory Kit: (1) PCA-0091 Control Cable for PiM-Mini and PCM-7140 (6100-0091 Rev 8); (2) PCA-0090 Input/Output Cable for	\$75.00
PCO-6131			125A Pulsar With Air Cooled HeatSink	\$3,750.00
PCO-6141			PCO-6141 60A Pulsar	\$3,200.00
PCO-6131/6141 Acc. Kit			PCO-6131/6141 Accessory Kit: (1) PCA-9160 Stripline Cable for PCO-6130 PCO-6131 PCO-6140 and PCO-6141; (1) PCA-9161 Control Cable for	\$575.00
High Voltage Generators				
PVX-4000-2kV			PVX-4000-2kV 2000 Volt Pulsed Voltage Source with Internal Power Supply	\$15,000.00
PVX-4000-2kV Accessory Kit			PVX-4000-2kV Accessory Kit: (1) PCA-9400 Output Cable (1) PCA-9410 BNC Enable Shorting Connector	\$850.00
PVX-4000-2kV-EX			PVX-4000-2kV 2000 Volt Pulsed Voltage Source with External Power Supply Option	\$12,500.00
PVX-4000-2kV-EX Accessory Kit			PVX-4000-2kV-EX Accessory Kit: (1) PCA-9400 Output Cable (1) PCA-9410 BNC Enable Shorting	\$1,250.00
PVX-4110			PVX-4110 +/-10kV Pulse Generator	\$18,000.00
PVX-4110 Accessory Kit			PVX-4110 Accessory Kit: 1950-0002 (1), 6050-0061 (3)	\$1,250.00
PVX-4130			PVX-4130 +/-6kV Pulse Generator	\$11,750.00
PVX-4130 Accessory Kit			PVX-4130 Accessory Kit: 1950-0002 (1), 6050-0062 (2), Operating Manual (1)	\$575.00
PVX-4141			PVX-4141 +/-3.5kV Pulse Generator	\$8,000.00
PVX-4141 Acc. Kit			PVX-4141 Accessory Kit: (1) 1950-0002; (1) PVA-9165; (3) PVA-9150; (1) Operating Manual	\$475.00
PVX-4150			PVX-4150 +/-1.5kV Pulse Generator	\$7,500.00
PVX-4150 Acc. Kit			PVX-4150 Accessory Kit: (1) 1950-0002; (1) PVA-9165; (3) PVA-9160; (1) Operating Manual	\$475.00
PVM-1001-N			PVM-1001-N Negative Output Polarity Pulsed Voltage Source	\$1,750.00
PVM-1001-P			PVM-1001-P Positive Output Polarity Pulsed Voltage Source	\$150.00
PVM-1001 Accessory Kit			PVM-1001 Accessory Kit: (1) AC/DC Plug; (1) AC/DC Wall Mount; (1) PVM-1001 Operating Manual	\$75.00
PVM-4210 R2			+/-1kV Dual Output Pulsed Module	\$7,250.00
PVM-4210 Accessory Kit			PVM-4210 Accessory Kit: (1) 1690-0001 15 Pin DSUB Socket; (2) PVA-9180 Control Cable; (1) PVM-4210	\$450.00
PVX-2506			PVX-2506 50V 10A Pulsed IV Pulse Generator	\$11,000.00
PVX-2506 Accessory Kit			PVX-2506 Accessory Kit: (1) PCA-2500 Output Cable for PVX-2506 (1) Operating Manual for PVX-	\$2,000.00
Model Accessories Options Product Description US End User Price 2024				
RF Signal Generators				
835-4			4 GHz RF signal generator	\$ 9,500.00

835-6		6 GHz RF signal generator	\$ 12,500.00
	Option B3*	Internal rechargeable battery module	
	Option PE3*	Mechanical step attenuator down to -120 dBm	
	Option GPIB*	GPIB interface	
	Option AVIO	Avionics modulation capability (VOR/ILS)	
	Option 1URM	19" 1U rack-mount module	
	Option REAR	Move output to rear panel	
	Option OEM	OEM package	
	P/N 7091	19" 3U rack mount kit for all 835/845 units	\$ 1,500.00
	P/N 7134	Spare Power Supply for Model 835/845	\$ 175.00
	P/N 7144	Ruggedized Bumper for 835, 845, 865 Series	\$ 375.00
		* Options B3 / PE3 / GPIB cannot coexist in the standard desktop housing. Max is 2. No restriction with 1URM.	
Microwave Signal Generators			
845-6		6 GHz Microwave Signal Generator, incl. options 9k and HP	Starting at \$17,000
845-12		12 GHz Microwave Signal Generator	
845-20		20 GHz Microwave Signal Generator	
845-26		26 GHz Microwave Signal Generator	
	Option 9K	Frequency range extension to 9 kHz	
	Option PE3*	Mechanical step attenuator (6 GHz version, down to -120 dBm)	
	Option PE3*	Mechanical step attenuator (12 & 20 GHz version, down to -90 dBm)	
	Option PE*	Mechanical step attenuator (26 GHz version, down to -90 dBm)	
	Option HP	Higher output power	
	Option FS	Ultra-fast switching speed	
	Option NP	Narrow Pulse Modulation	
	Option B3*	Internal rechargeable battery module	
	Option GPIB*	GPIB interface	
	Option 1URM	19" 1U rack-mount module	
	Option REAR	Move output to rear panel	
	Option NIM	Remove modulation	
	Option OEM	OEM package	
	P/N 7091	19" 3U rack mount kit for all 835/845 units	
	P/N 7134	Spare Power Supply for Model 835/845	
	P/N 7144	Ruggedized Bumper for 835, 845, 865 Series	
		*Option combination B3 / GPIB / PE3 together is not possible with the base model.	
Low Noise Microwave Signal Generators			
865-12		12 GHz MW signal generator	Starts at \$28,000
865-20		20 GHz MW signal generator	
865-26		26 GHz MW signal generator	
865-40		40 GHz MW signal generator	
	Option 8K	Frequency range extension to 8 kHz	
	Option FILT	Harmonic filtering (not in combination with option PE4)	
	Option LN	Enhanced close in phase noise & frequency stability	
	Option LN+	Enhanced close in phase noise & further enhanced long term frequency stability	
	Option FS	Ultra-fast switching speed	
	Option MOD	Analog modulation	
	Option VREF	Variable external reference	
	Opt PE4-12/20/26	Electrical step attenuator (12, 20 & 26 GHz version) (not in combination with option FILT)	
	Opt PE4-40	Electrical step attenuator (40 GHz version) (not in combination with option FILT)	
	Opt PE-12/20	Mechanical step attenuator down to -90 dBm (12 & 20 GHz version)	
	Opt PE-26/40	Mechanical step attenuator down to -90 dBm (40 GHz version)	
	Opt PE2-12/20	Mechanical step attenuator down to -120 dBm (12 & 20 GHz version)	
	Opt PE2-26/40	Mechanical step attenuator down to -120 dBm (26 & 40 GHz version)	
	Option GPIB	GPIB interface	
	Option 1URM	19" 1U rack-mount module	
	Option REAR	Move output to rear panel	
Agile Vector Signal Generators			
875-4		4 GHz Vector Signal Generator	Starts at \$29,000
875-6		6 GHz Vector Signal Generator	
875-12		12 GHz Vector Signal Generator	
875-20		20 GHz Vector Signal Generator	
875-40		40 GHz Vector Signal Generator	
875-4-2R		2 Channel 875-4 in 19 inch 2U rack-mount module	
875-6-4R		4 Channel 875-6 in 19 inch 2U rack-mount module	
875-6-2R		2 Channel 875-6 in 19 inch 2U rack-mount module	
875-6-4R		4 Channel 875-6 in 19 inch 2U rack-mount module	
875-12-2R		2 Channel 875-12 in 19 inch 2U rack-mount module	
875-12-4R		4 Channel 875-12 in 19 inch 2U rack-mount module	
875-20-2R		2 Channel 875-20 in 19 inch 2U rack-mount module	
875-20-4R		4 Channel 875-20 in 19 inch 2U rack-mount module	
875-40-2R		2 Channel 875-40 in 19 inch 2U rack-mount module	
875-40-4R		4 Channel 875-40 in 19 inch 2U rack-mount module	
	Option LN	Enhanced close in phase noise & frequency stability	
	Option LN+	Enhanced close in phase noise & further enhanced long term frequency stability	
	Option UFS	Ultra-fast switching speed (per channel)	
	Option FCP*	Fast control port, external digital I/Q data streaming (per channel)	
	Option MOD	Internal analog modulations (per channel)	
	Option VIM	Internal digital modulation schemes (per channel)	
	Option AWGN	Additive white gaussian noise generation, bandwidth selective (per channel)	
	Option AIQ*	External analog I/Q inputs (per channel)	
	Option PE	Mechanical step attenuator down to -90 dBm (per channel)	
	Option AVIO	Avionics (DME, VOR, ILS, Marker Beacon) (per channel)	
	Option VREF	Variable external reference	
	Option GPIB*	GPIB interface	
	Option SD	MicroSD card slot for non-volatile storage of IQ data	
		*Option combinations FCP / AIQ and FCP / GPIB not supported	
Single and Multi Channel High Purity Signal			
870A-12		High Performance 5G up to 12.75 GHz	Starts at \$39,000
870A-20		High Performance 5G up to 20 GHz	
870A-40		High Performance 5G up to 40 GHz	
870A-12-2		2 channel signal generator, up to 12.75 GHz, 19" 1URM rack-mount module	
870A-12-3		3 channel signal generator, up to 12.75 GHz, 19" 1URM rack-mount module	
870A-12-4		4 channel signal generator, up to 12.75 GHz, 19" 1URM rack-mount module	
870A-20-2		2 channel signal generator, up to 20 GHz, 19" 1URM rack-mount module	
870A-20-3		3 channel signal generator, up to 20 GHz, 19" 1URM rack-mount module	
870A-20-4		4 channel signal generator, up to 20 GHz, 19" 1URM rack-mount module	
870A-40-2		2 channel signal generator, up to 40 GHz, 19" 1URM rack-mount module	
870A-40-3			
870A-40-4		4 channel signal generator, up to 40 GHz, 19" 1URM rack-mount module	
	Option LN	Enhanced close in phase noise & frequency stability (price per unit)	
	Option LN+	Enhanced close in phase noise & further enhanced long term frequency stability - cannot combine with option LN (price per unit)	
	Option FS	Fast switching speed (per channel)	
	Option MOD	Analog Modulation (per channel)	
	Option PE-12/20	Mechanical step attenuator down to -90 dBm (12 & 20 GHz version, per channel)	
	Option PE-40	Mechanical step attenuator down to -90 dBm (40 GHz version, per channel)	
	Option PE2-12/20	Mechanical step attenuator down to -120 dBm (12 & 20 GHz version, per channel)	
	Option PE2-40	Mechanical step attenuator down to -120 dBm (40 GHz version, per channel)	
	Option VREF	Flexible external reference frequency support in range 1 to 250MHz	
	Option FLASH	MicroSD card slot for removable SD memory	
	Option 1URM	19" 1U rack-mount module	
	Option GPIB	GPIB interface	
870A-50		High Performance 5G up to 54 GHz	
870A-50-2		2 channel signal generator, up to 54 GHz, 19" 2URM-rack-mount module	
870A-50-3		3 channel signal generator, up to 54 GHz, 19" 2URM-rack-mount module	

870A-50-4			4 channel signal generator, up to 54 GHz, 19" 2URM-rack-mount module	
		Option LN	Enhanced close in phase noise & frequency stability (price per unit)	
		Option LN+	Enhanced close in phase noise & further enhanced long term frequency stability - cannot combine with option LN (price per unit)	
		Option FS	Fast switching speed (per channel)	
		Option MOD	Analog Modulation (per channel)	
		Option PE2-50	Mechanical step attenuator down to -110 dBm (50 GHz version, per channel)	
		Option VREF	Flexible external reference frequency support in range 1 to 250MHz	
		Option FLASH	MicroSD card slot for removable SD memory	
Multi-Channel Microwave Signal Generators				
855B-6-2			2 channel signal generator, up to 6 GHz ultra-low phase noise, 19" 1U rack-mount module	Starts at \$42,000
855B-6-3			3 channel signal generator, up to 6 GHz ultra-low phase noise, 19" 1U rack-mount module	
855B-6-4			4 channel signal generator, up to 6 GHz ultra-low phase noise, 19" 1U rack-mount module	
855B-12-2			2 channel signal generator, up to 12 GHz ultra-low phase noise, 19" 1U rack-mount module	
855B-12-3			3 channel signal generator, up to 12 GHz ultra-low phase noise, 19" 1U rack-mount module	
855B-12-4			4 channel signal generator, up to 12 GHz ultra-low phase noise, 19" 1U rack-mount module	
855B-20-2			2 channel up signal generator, to 20 GHz ultra-low phase noise, 19" 1U rack-mount module	
855B-20-3			3 channel up signal generator, to 20 GHz ultra-low phase noise, 19" 1U rack-mount module	
855B-20-4			4 channel up signal generator, to 20 GHz ultra-low phase noise, 19" 1U rack-mount module	
855B-33-2			2 channel up signal generator, to 33 GHz ultra-low phase noise, 19" 1U rack-mount module	
855B-33-3			3 channel up signal generator, to 33 GHz ultra-low phase noise, 19" 1U rack-mount module	
855B-33-4			4 channel up signal generator, to 33 GHz ultra-low phase noise, 19" 1U rack-mount module	
855B-40-2			2 channel up signal generator, to 40 GHz ultra-low phase noise, 19" 1U rack-mount module	
855B-40-3			3 channel up signal generator, to 40 GHz ultra-low phase noise, 19" 1U rack-mount module	
855B-40-4			4 channel up signal generator, to 40 GHz ultra-low phase noise, 19" 1U rack-mount module	
		Option LN	Enhanced close in phase noise & frequency stability	
		Option LN+	Enhanced close in phase noise & further enhanced long term frequency stability	
		Option PHS	Phase-coherent switching (per channel)	
		Option FS	Ultra-fast switching speed (per channel)	
		Option VREF	Flexible external reference frequency support in range 1 to 250 MHz	
		Option MOD	Add Amplitude, Frequency, Phase modulation capability (per channel)	
		Option PE4-12	Electrical step attenuator (6 & 12 GHz version) (per channel)	
		Option PE4-20	Electrical step attenuator (20 GHz version) (per channel)	
		Option PE4-40	Electrical step attenuator (33 & 40 GHz) (per channel)	
		Option GPIB	GPIB interface	
Frequency Synthesizer Modules				
845-M			20 GHz Synthesizer, flange-mount module	Starts at \$12,000
845-M-1			1 channel 20 GHz synthesizer, 19" 1U rack-mount module	
845-M-X			2 channel 20 GHz Synthesizer, 19" 1U rack-mount module	
805-M			22 GHz synthesizer compact module	Starts at \$17,000
805-5G			20 GHz signal generator module	Starts at \$35,000
866-M-40			40 GHz synthesizer compact module	Starts at \$36,000
825-M			Ultra agile 20 GHz frequency synthesizer, flange-mount module	
825-M-20-1			Ultra agile 20 GHz frequency synthesizer (1 channel) 19" 1U rack-mount module	
825-M-20-2			Ultra agile 20 GHz frequency synthesizer (2 channels) 19" 1U rack-mount module	
825-M-20-3			Ultra agile 20 GHz frequency synthesizer (3 channels) 19" 1U rack-mount module	
825-M-20-4			Ultra agile 20 GHz frequency synthesizer (4 channels) 19" 1U rack-mount module	
865B-M-40			40 GHz Synthesizer, flange-mount module	Starts at \$29,000
865B-M-40-1			1 channel 40 GHz Synthesizer, 19" 1U rack-mount module	
865B-M-40-2			2 channel 40 GHz Synthesizer, 19" 1U rack-mount module	
865B-M-40-3			3 channel 40 GHz Synthesizer, 19" 1U rack-mount module	
865B-M-40-4			4 channel 40 GHz Synthesizer, 19" 1U rack-mount module	
		Option LN	Enhanced close in phase noise & frequency stability (per output) (Model 865B-M-40)	
		Option FILT	Harmonic filtering (per output) (Model 865B-M-40)	
		Option PHS	Phased coherent switching (per output) (Model 865B-M-40)	
		Option 8K	Frequency range extension to 8 kHz (per output) (Model 825-M only)	
		Option FS	Ultra-fast switching speed (per output), FCP port (Model 825-M only)	
		Option FS	Ultra-fast switching speed (per output)	
		Option FS	Ultra-fast switching speed (805-M & 865C-M-40)	
		Option TCYO	TCYO reference (check with Analog) (805-M & 865C-M-40)	
		Option NOXO	No internal reference (805-M & 865C-M-40)	
		Option VREF	Variable external reference (Model 865B-M-40)	
		Option TOUCH	Desktop enclosure & color touch display for 1 channel source (Model 825-M only)	
		Option GPIB	GPIB interface (Model 865B-M-X)	
		Option EB	External power bank adapter cable (825/865-M)	
	P/N 7143		865/865M Power Supply	
Phase Noise Test Systems				
7070			Signal source analyzer, up to 7 GHz	Starts at \$63,000
7300			Signal source analyzer, up to 26 GHz	
7340			Signal source analyzer, up to 40 GHz	
7350			Signal source analyzer, up to 50 GHz (Q4/2022)	
7360			Signal source analyzer, up to 65 GHz (Q4/2022)	
		Option AM	Amplitude noise measurements	
		Option LN	Ultra-low noise internal sources	
		Option PULSE	Pulsed measurement mode	
		Option NPS	For very narrow pulse and low duty cycle	
		Option BURST	Burst mode phase noise measurement	
		Option APN	Additive phase noise measurement	
		Option LO	Access to two internal reference sources	
		Option TRAN	Transient measurement	
		Option TSTAB	Time stability analysis	
		Option VCO	VCO characterization bench	
		Option SPEC	Spectral monitoring	
		Option GPIB	GPIB interface	
Accessories for 7000 Series				
		APNS	Traceable AM / PN noise standard, flange-mount module	\$ 46,500.00
		PS06	1 - 6 GHz mechanical phase shifter	\$ 3,000.00
		PS18	4 - 18 GHz mechanical phase shifter	\$ 2,000.00
Other options for 835/845/865				
		Option RM	19" 3U rack-mount kit	\$ 1,500.00
		Option Bag	Protobag	\$ 500.00
		Option EBB	External power bank adapter cable with voltage converter from 12-25 to 6 VDC	\$ 500.00
		Option EB	External power bank adapter cable	\$ 500.00
		Option DATA	Commercial Calibration Certificate with test data	\$ 1,000.00
		Option IEC	IEC 17025 calibration with certificate	Ask for Quote
		Option FLASH	MicroSD card slot for removable SD memory	\$ 1,500.00
		Retrofit	Applies when options are back-ordered	\$ 1,000.00
NIM Modules				
AP-3			Portanin (6 unit)	\$ 13,500.00
BH-1			Tail Pulse Generator	\$ 14,950.00
DB-2			Random Pulse Generator	\$ 18,750.00
PB-5			Precision Pulse Generator	\$ 9,000.00
TB-4			NIM Bin & Power Supply	\$ 26,400.00
6040			Universal Pulse Generator	\$ 9,895.00
	P/N 6924		Rack Mount for Model 6040	\$ 380.00
8040 Modules/Accessories				
Q65			650 nm Optical Module (2 mW, pulse, CW)	\$ 16,525.00
Q85			850 nm Optical Module (2 mW, pulse, CW)	\$ 16,525.00
Q90			904 nm Optical Module (1 mW, pulse, CW)	\$ 27,940.00
106C			1064 nm Optical Module (1 mW, pulse, CW)	\$ 41,535.00
106H			1064 nm Optical Module (50 mW, pulse only)	\$ 34,035.00
130			1310 nm Optical Module (1 mW, pulse, CW)	\$ 16,525.00
155			1550 nm, Optical Module (1 mW, pulse, CW)	\$ 22,675.00
155H			1550 nm Optical Module (50 mW, pulse only)	\$ 36,115.00
158H			1580 nm Optical Module (50 mW, pulse only)	\$ 37,995.00
201E			150 ps Rise Time Module	\$ 6,990.00
202H			300 V Pulse Module	\$ 7,515.00
310H			800 V Pulse Module	\$ 9,540.00
High Performance Arbitrary Waveform Generators				
675-2C-2M			2ch 1.2Gs/s AWG 2Ms memory - 300MHz AFG - 6Vpp	Starts at \$19,000
675-2C-64M			2ch 1.2Gs/s AWG 64Ms memory - 300MHz AFG - 6Vpp	
675-2C-128M			2ch 1.2Gs/s AWG 128Ms memory - 300MHz AFG - 6Vpp	
675-2C-1G			2ch 1.2Gs/s AWG 1024Ms memory - 300MHz AFG - 6Vpp	

		-HV2	High voltage output (12Vpp on 50ohm) for Model 675-2C	
		-DIG8	8 channel Dig license (Mini SAS not cable included) for Model 675	
		-PAT	2Ch Serial Pattern generator	
675-4C-2M			4ch 1.2Gs/s AWG 2Ms memory - 300MHz AFG - 6Vpp	
675-4C-64M			4ch 1.2Gs/s AWG 64Ms memory - 300MHz AFG - 6Vpp	
675-4C-128M			4ch 1.2Gs/s AWG 128Ms memory - 300MHz AFG - 6Vpp	
675-4C-1G			4ch 1.2Gs/s AWG 1024Ms memory - 300MHz AFG - 6Vpp	
		-HV4	High voltage output (12Vpp on 50ohm) for Model 675-4C	
		-DIG8	8 channel Dig license (Mini SAS cable not included) for Model 675	
		-DIG16	16 channel Dig license (Mini SAS cable not included) for Model 675	
		-PAT	4Ch Serial Patter Generator	
675-8C-2M			8ch 1.2Gs/s AWG 2Ms memory - 300MHz AFG - 6Vpp	
675-8C-64M			8ch 1.2Gs/s AWG 64Ms memory - 300MHz AFG - 6Vpp	
675-8C-128M			8ch 1.2Gs/s AWG 128Ms memory - 300MHz AFG - 6Vpp	
675-8C-1G			8ch 1.2Gs/s AWG 1024Ms memory - 300MHz AFG - 6Vpp	
		-HV8	High voltage output (12Vpp on 50ohm) for Model 675-8C	
		-DIG8	8 channel Dig license (Mini SAS cable not included) for Model 675	
		-DIG16	16 channel Dig license (Mini SAS cable not included) for Model 675	
		-DIG32	32 channel Dig license (Mini SAS cable not included) for Model 675	
		-PAT	8Ch Pattern Generator	
670-2C-2M			2ch 600Ms/s AWG 2Ms memory - 180MHz AFG	Starts at \$12,000
670-2C-64M			2ch 600Ms/s AWG 64Ms memory - 180MHz AFG	
670-2C-256M			2ch 600Ms/s AWG 256Ms memory - 180MHz AFG	
670-4C-2M			4ch 600Ms/s AWG 2Ms memory - 180MHz AFG	
670-4C-64M			4ch 600Ms/s AWG 64Ms memory - 180MHz AFG	
670-4C-256M			4ch 600Ms/s AWG 256Ms memory - 180MHz AFG	
		-HV2	Hi voltage output (12Vpp on 50ohm) for 670-2C	
		-HV4	Hi voltage output (12Vpp on 50ohm) for 670-4C	
		-DIG8	8 channel Dig license (Mini SAS cable included) for 670-2C/4C	
		-Rackmount	Rackmount kit for Rider C series for 670-2C/4C	
685-2C-SE2			2CH -6 GS/s - 2 GHz - 2048Mpts per CH - 5Vpp single ended output	Starts at \$67,000
685-2CD-SE2			2CH -6 GS/s - 2 GHz - 2048Mpts per CH - 3Vpp differential output	
685-4C-SE4			4CH -6 GS/s - 2 GHz - 2048Mpts per CH - 5Vpp single ended output	
685-4CD-SE4			4CH -6 GS/s - 2 GHz - 2048Mpts per CH - 3Vpp differential output	
685-8C-SE8			8CH -6 GS/s - 2 GHz - 2048Mpts per CH - 5Vpp single ended output	
685-8CD-SE8			8CH -6 GS/s - 2 GHz - 2048Mpts per CH - 3Vpp differential output	
		-2C-PAT	2CH Serial Pattern generator for 685-2C and 685-2CD	
		-4C-PAT	4CH Serial Pattern generator for 685-4C and 685-4CD	
		-8C-PAT	8CH Serial Pattern generator for 685-8C and 685-8CD	
		-2C-4G	685-2C Memory upgrade to 4096Mpts per channel	
		-4C-4G	685-4C Memory upgrade to 4096Mpts per channel	
		-8C-4G	685-8C Memory upgrade to 4096Mpts per channel	
		-8DIG	685 - 8DIG 8CH Dig license for 685 series (1x Mini SAS Cable not included)	
		-16DIG	685 - 16DIG 8CH Dig license for 685-4C/4CD/8C/8CD (1x Mini SAS Cable not included)	
		-32DIG	686 - 32DIG 8CH Dig license for 685-8C/8CD (1x Mini SAS Cable not included)	
		-2C-RF	12GS/s RF mode for 685-2C and 685-2CD	
		-4C-RF	12GS/s RF mode for 685-4C and 685-4CD	
		-8C-RF	12GS/s RF mode for 685-8C and 685-8CD	
		-FSS	685 Fast Sequence Switch	
685C-2C			2ch -3 GS/s - 2 GHz - 2048Mpts per CH - 1.5Vpp differential output	Starts at \$45,000
685C-4C			4ch -3 GS/s - 2 GHz - 2048Mpts per CH - 1.5Vpp differential output	
685C-8C			8ch -3 GS/s - 2 GHz - 2048Mpts per CH - 1.5Vpp differential output	
686-2C-SE			2 CH - 5Vpp Single ended outputs - Full memory	Call for Price
686-2CD			2 CH - 2.5Vpp (1.25Vpp single ended) Differential outputs - Full memory - 20 GS/s	
686-4C-SE			4 CH - 5Vpp Single ended outputs - Full memory - 20 GS/s	
686-4CD			4 CH - 2.5Vpp (1.25Vpp single ended) Differential outputs - Full memory - 20 GS/s	
Other RIDER Options				
RIDER-RACK			Rackmount kit for Rider series instruments (685 and 675)	\$ 660.00
RIDER-C-RACK			Rackmount kit for Rider C series (670 Only)	\$ 660.00
SSD-250			Additional 250GB Solid State Disk for RIDER series	\$ 645.00
SSD-500			Additional 500GB Solid State Disk for RIDER series	\$ 945.00
SSD-1000			Additional 1TB Solid State Disk for RIDER series	\$ 1,860.00
RIDER-AWG-SYNC			Multi-instrument synchronization cable for Rider series 0.5m	\$ 1,290.00
RIDER-GPIB			GP-IB / USB-TMC option for Rider Serie	\$ 1,945.00
RIDER-MINI-SAS-HD			Mini SAS to Mini SAS HD cable for digital channels (8 LVDS pairs)	\$ 525.00
AT-LVDS-SMA8			Mini SAS HD to 16 SMA cable (8 LVDS output)	\$ 3,600.00
AT-DTTL8			8 bit LVDS to LVTL converter for Rider series	\$ 1,425.00
ABB's / Oscilloscopes / Test & Measurement Equipment				
P2025			200 MHz Oscilloscope (2 channels)	\$ 795.00
P4025T			200 MHz Touchscreen Oscilloscope (4 channels)	\$ 2,280.00
P4017			100 MHz Handheld USB Oscilloscope	\$ 830.00
P2016			100 MHz Handheld Oscilloscope	\$ 1,160.00
S1365			3.6 GHz Spectrum Analyzer	\$ 4,225.00
A2085			80 MHz Arbitrary Waveform Generator	\$ 1,290.00
A2255			250 MHz Arbitrary Waveform Generator	\$ 2,280.00
G45-G			50 MHz ARB/Function Generator w/GPIB & USB Communication	\$ 2,300.00
1105-G			400 MHz Universal Counter w/GPIB	\$ 3,300.00
1201-G			Digital Multimeter, 6.5 Digit w/GPIB	\$ 1,550.00
Benchtop Power Meter				
BNC12000			2 Channel Power Sensor Benchtop Display	\$ 4,535.00
		GPIB	Add GPIB Option	\$ 700.00
		4 Channel	Add support for 2 additional channels	\$ 4,600.00
		SECURE	Remove Internal MicroSD, Boot from USB Drive (included)	\$ 700.00
Average RF Power Sensor				
BNC12108S			8GHz USB Power Sensor	Starts at \$3,000
BNC12108L			8GHz USB Power Sensor with Measurements to 9kHz	
BNC12118S			18GHz USB Power Sensor	
BNC12118L			18GHz USB Power Sensor with Measurements to 9kHz	
BNC12126S			26GHz USB Power Sensor	
BNC12126L			26GHz USB Power Sensor with Measurements to 9kHz	
BNC12140S			40GHz USB Power Sensor	
BNC12140L			40GHz USB Power Sensor with Measurements to 9kHz	
BNC12144S			44GHz USB Power Sensor	
BNC12144L			44GHz USB Power Sensor with Measurements to 9kHz	
BNC12150S			50GHz USB Power Sensor	
BNC12150L			50GHz USB Power Sensor with Measurements to 9kHz	
		Option 001	Recorder	
		Option SPI	SPI/J2C cable output	
RF Pulse Profiler and Peak Power Sensor				
BNC12206S			6GHz USB Power Sensor, Pulse/Peak	Starts at \$7,000
BNC12208S			8GHz USB Power Sensor, Pulse/Peak	
BNC12218S			18GHz USB Power Sensor, Pulse/Peak	
BNC12218L			18GHz USB Power Sensor, Pulse/Peak, Low Power Measurements	
BNC12240S			40GHz USB Power Sensor, Pulse/Peak	
BNC12240L			40GHz USB Power Sensor, Pulse/Peak, Low Power Measurements	
Model	Accessories	Options	Product Description	US End User Price 2024
SAM Nuclear Isotope Identifier				
940-CEA			SAM 940 w/o detector/CF Card/Access	\$ 12,565.00
940-2G			SAM 940 w/ ext. Nai 2x2 det., Eagle OS, includes Analysis Viewer software	\$ 17,500.00
940-2GN			SAM 940 w/ Neutron, ext. nai 2x2, Eagle OS, includes Analysis Viewer software	\$ 21,550.00
SAM 940Plus Isotope Identifier				
SAM 940Plus-G			SAM 940Plus, 2x2 inch Nai (Gamma only)	Starts at \$17,000
SAM 940Plus-GN			SAM 940Plus, 2x2 inch Nai + Domino Neutron: 1.2 cps/nv	
SAM 940Plus-HG-C15			SAM 940Plus, C15: 1.5x1.5 CeBr3	
SAM 940Plus-HG-C20			SAM 940Plus, C20: 2x2 CeBr3	
SAM 940Plus-HG-L			SAM 940Plus, L20: 2x2 LBC (LBC: LaBr3 compatible crystal)	
SAM 940Plus-HGN-C			SAM 940Plus, C20: 2x2 CeBr3 + Domino Neutron: 1.2 cps/nv	
SAM 940Plus-HGN-L			SAM 940Plus, L20: 2x2 LBC + Domino Neutron: 1.2 cps/nv	
		OB	Removable Battery Packs - Li-ion (2 packs), AA battery pack (1ea)	

		OC	Camera (multi-media support)	
		OD	Gamma Directionality - Gyro Sensor	
		OM	Mirroring to PDA (PDA w/ PA IV SW)	
		OP-G-N20	2x2 inch NaI Probe	
		OP-G-N30	3x3 inch NaI Probe	
		OP-N-Hxx	He-3 Neutron Sensors	Call for Price
		OP-N-Dxx	Domino Neutron Sensors	Call for Price
		OP-PC	Pancake Probe	Call for Price
SAM 950 Isotope Identifier				
			SAM III, Handheld Radiation Isotope Identifier, 2x2 NaI detector	Starts at \$17,000
			SAM III, Handheld Radiation Isotope Identifier, 3x3 NaI detector	
			SAM III, Handheld Radiation Isotope Identifier, 2x2 NaI + Neutron detector	
			SAM III, Handheld Radiation Isotope Identifier, 3x3 NaI + Neutron detector	
			SAM III, Handheld Radiation Isotope Identifier, 2x2 CeBr3 detector	
			SAM III, Handheld Radiation Isotope Identifier, 2x2 LaBr3 detector	
			SAM III, Handheld Radiation Isotope Identifier, 1.5x1.5 CeBr3 + Neutron detector	
			SAM III, Handheld Radiation Isotope Identifier, 2x2 CeBr3 + Neutron detector	
			SAM III, Handheld Radiation Isotope Identifier, 1.5x1.5 LaBr3 + Neutron detector	
SAM RD-120 Pack				
			SAMPack, Backpack Isotope Identifier, (Gamma Only)	Starts at \$24,000
			SAMPack, Backpack Isotope Identifier with Gamma and Neutron Detection - 5 cps/nv He-3 addition	
			SAMPack, Backpack Isotope Identifier, 2x2 Lanthanum	
			SAMPack, Backpack Isotope Identifier, 2x2 Lanthanum, Neutron	
			SAMPack, Backpack Isotope Identifier, 2.0 x 2.0 Cerium	
			SAMPack, Backpack Isotope Identifier, 2.0 x 2.0 Cerium, Neutron	
			SAMPack, Backpack Isotope Identifier, 2x2(Zea), directionality 2 domino. Neutron 15 cps/nv	
		He-3 Option	5cps/nv He-3 addition + G/HG-Model	
		He-3 Option	17cps/nv He-3 addition + G/HG-Model	
SAM RD-150 Vehicle-Ready				
			Vehicle-Ready Radiation Detection System, Vehicle-Ready RDS, 2x4x16 NaI, 1ea	Starts at \$50,000
			Vehicle-Ready Radiation Detection System, Vehicle-Ready RDS, 4x4x16 NaI, 1ea	
		-NHxx	Vehicle-Ready Radiation Detection System, He-3 or others	Call for Price
		-HDxx	Vehicle-Ready Radiation Detection System, Neutron or others	Call for Price
		P/N 7140	Power Cable for RD-150	
Multi-Channel Analyzer				
			Multi-Channel Analyzer, includes Quantum MCA software	\$ 10,000.00
			2x2 NaI	\$ 5,000.00
			3x3 NaI	\$ 7,500.00
		P/N 6882	BNC/Quantum NaI/D MCA Package	\$ 2,000.00
		P/N 6882-1	BNC/Quantum Gold/ MCA Software Package	\$ 6,000.00
Model 970				
			Portable MCA, Includes SNAP Software	\$ 7,250.00
			Portable MCA with 2x2 NaI Detector and SNAP Nuclear Spectroscopy Software	\$ 9,750.00
			Portable MCA with 3x3 NaI Detector and SNAP Nuclear Spectroscopy Software	\$ 12,500.00
BrightSPEC MCA's				
			Compact Plug-On MCA with USB interface	Starts at \$7,000
			Compact Plug-On MCA with Ethernet interface	
			Compact MCA, USB interface with Lemo Connectors	
			Compact MCA, USB interface with BNC Connectors, SHV for HV	
			Topaz Pico for Scintillator detect. based on SiPM (include 3 m USB cable)	
			Topaz Pico for Scintillator detectors (Si-arrays as photomultipliers, SiPM-based detectors), USB	
			Compact High Resolution MCA, USB interface, for use with HPGe, CZT, LaBr3, CeBr3, +	
BrightSPEC SCA's				
			Compact SCA, w/ Preamp, Amp, SCA, & HV w/ TTL Output	Starts at \$3,000
			Compact SCA, w/ Preamp, Amp, SCA, & HV w/ RS422-485 data interface	
			Compact SCA, w/ Preamp, Amp, & HV w/ TTL Output + Analog Output	
			Compact SCA, w/ Preamp, Amp, & HV w/ TTL Output + Voltage Ramp Output	
			Compact SCA, w/ Preamp, Amp, & HV w/ TTL Output + Voltage Ramp Output + Multi-Parameter Set Up (HPLC)	
			High Speed Preamp/Amp/SCA/HV. Counter (box model)	
			Fast Neutron Discriminator (preamp/amp/discrim) (box model)	
BrightSPEC Analysis Software				
			Comprehensive Gamma Spectroscopy Analysis Software (1 user)	Starts at \$6,000
			Comprehensive Gamma Spectroscopy Analysis Software (2 users)	
			Comprehensive Gamma Spectroscopy Analysis Software (4 users)	
			Comprehensive Gamma Spectroscopy Analysis Software (1 user, right to copy)	
			Comprehensive Gamma Spectroscopy Analysis Software (2 users, right to copy)	
			Comprehensive Gamma Spectroscopy Analysis Software (4 users, right to copy)	
			Guided/automatic spectrum analysis with minimum operator interventions.	
			bGamma Advance Tools. Includes: Procedures, Batch File Analysis and File Explorer	
			User Management. User operations control and regulations module with logbook activities, records and operational trail reviews.	
			QA-QC module (includes Procedures and file browser)	
Stations				
			Measurement station consisting of bMCA (USB or ETH) + 2x2 NaI(Tl) detector + bGAMMA/1 + Lead shielding of 50 cm thick and 1 mm internal Cu lining with top opening + Plastic detector stand	Starts at \$30,000
			Measurement station consisting of Topaz-HR +HPGe detector (LN or Electrically cooled) + bGAMMA/1 + Lead shielding of 100 cm thick. 1 mm internal Cu and 1 mm Sn lining with front or top opening + detector/MCA table	
X-Ray				
			High resolution MCA for SDD detectors. Lemo or BNC connectors	\$ 10,040.00
			XRF-spectrum analysis and quantification software	\$ 5,415.00
			XRF Package consisting of: SDD detector + power supply + Topaz-X MCA + bAxil sw package. includes cables	Call for price
Handheld Devices				
			Combined Metal and Gamma Radiation Detector	\$ 1,895.00
			palmRAD Alpha, Beta, Gamma and X Ray Meter w/ 3 second update	\$ 1,080.00
			nukeALERT Preventative Early Warning Radiation Detector	\$ 1,985.00
			X-ray and Gamma Radiation Personal Dosimeter	\$ 1,240.00
			Personal Radiation Detector, Gamma only	
			Personal Radiation Detector, Gamma / Neutron	
			Personal Radiation Detector, Gamma / Neutron	
			Personal Radiation Detector, Gamma / Neutron	
Rad Worker / Nuclear Safety				
Digital Survey Meters				
			Digital Survey Meter mR and CPM capability	Starts at \$2,000
			NORM Digital Survey Meter mR or CPM Capability	
			Digital MicroR Meter w/ Internal 1x1 Plastic Scintillator	
			Digital Survey Meter w/ Internal Detector 0-2 R/hr	
			Digital Survey Meter w/ Internal Detector 0-10 R/hr	
			Digital Survey Meter w/ Internal Detector 0-100 R/hr	
			Digital Survey Meter w/ Internal Detector 0-2 R/hr, plus additional external probe capability	
			Digital Radiation Survey Meter with Dual Detector Capability	
			NORM Digital Survey Meter mR and CPM with Dual Probe Capability	
			Area Monitor with 1 Gamma detector - Black or White	
			Area Monitor with 1 Gamma detector and LCD Display - Black or White	
		P/N FALCON LINK1	DX Link USB Radio Transmitter	
		P/N FALCON RELAY1	DX Link USB Radio Transmitter	
			Personal Radiation Detector (PRD) with GPS and RADConnect Capabilities	
Probes/Detectors				
			Alpha, Beta, Gamma Pancake Probe	Starts at \$400
			Alpha, Beta, Gamma End Window GM	
			Energy Compensated GM 0 - 200 mR/hr	
			Energy Compensated GM 0 - 2 R/hr	
			Energy Compensated GM 0 - 10 R/hr	
			Energy Compensated GM 0 - 100 R/hr	
			Gamma/Beta GM Probe (Hot Dog) Rotating Beta Shield	
			Low Background Contamination Frisker Stainless Steel Shield	
			Low Background Contamination Frisker Tungsten Shield	
			Low Energy Gamma Scintillator	
			Sodium Iodide (NaI) Crystal 1x1 (X-Rays) 20 keV-2 MeV Gammas	
			Sodium Iodide (NaI) Crystal 2x2 50 keV-2 MeV Gammas	
			Plastic Scintillation Detector 40 keV-2 MeV Gammas w/ beta window	
			Plastic Scintillation Detector 40 keV-2 MeV Gammas w/ beta window	
			High Efficiency Alpha Detector -3 MeV Alpha 0-5000 cpm	
			Foot Monitor (3 - Pancake GM detectors)	
Emergency Response Kits				
			DSM-506 w/ HP-265, MRSP-1, Cs-137 CS, Carrying Case	Starts at \$4,000
			DSM-525 w/ HP-265, MRSP-1, Cs-137 CS, Carrying Case	
			DSM-525 w/ HP-265, MRSP-1, GP-1004, Cs-137 CS, Carrying Case	
Portal Monitors				

