

RM2U-D

Dual rack mount kit

Stanford Research Systems

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U.S.A. Price List – December 2013

Audio Analy	70r		SG392	2 GHz vector signal generator	\$5,400
SR1	Dual-domain audio analyzer	\$8,400	SG394	4 GHz vector signal generator	\$6,600
01	80 MHz digitizer	\$1,500	SG396	6 GHz vector signal generator	\$8,400
02	High resolution display	\$1,500 \$600	04	Rubidium timebase	\$1,500
03	1 ppm TCXO timebase	\$250	RM2U-S	Single rack mount kit	\$100
04	Precision jitter analysis	\$1,500	RM2U-D	Dual rack mount kit	\$100
O1RM	Rack mount kit for SR1	\$1,500			
O1HC	Handle & front panel cover for SR1	\$300	G 41 1 14		
SR10	•	\$300 \$1,500		Clock Generator	
SR11	Balanced input switcher	\$1,500	CG635	Synthesized clock generator	\$2,995
SR12	Balanced output switcher		01	PRBS w/ comp. LVDS on SMA	\$550
	Unbalanced I/O switcher	\$1,500	02	OCXO timebase	\$650
OSR10RM	Rack mount kit for SR10, SR11 and SR12	\$100	03	Rubidium timebase	\$1,650
PERF10	Atomic rubidium audio oscillator	\$3,495	CG640	CMOS (+5 Vcc) to 100 MHz receiver	\$295
01	12 VDC power input	\$495	CG641	CMOS (+3.3 Vcc) to 500 MHz receiver	\$295
			CG642	CMOS (+2.5 Vcc) to 500 MHz receiver	\$295
FFT Spectru	•		CG643	PECL (+5 Vcc) to 2050 MHz receiver	\$295
SR760	Single-channel FFT spectrum analyzer	\$4,950	CG644	PECL (+3.3 Vcc) to 2050 MHz receiver	\$295
SR770	Single-channel FFT spectrum analyzer (w/ source)	\$7,500	CG645	PECL (+2.5 Vcc) to 2050 MHz receiver	\$295
O760H	Carrying handle for SR760 and SR770	\$100	CG646	RF (+7 dBm) to 2050 MHz receiver	\$295
O760RM	Rack mount kit for SR760 and SR770	\$100	CG647	CML/NIM to 2050 MHz receiver	\$295
SR780	Dual-channel dynamic signal analyzer	\$9,950	CG648	ECL to 2050 MHz receiver	\$295
SR785	Dual-channel dynamic signal analyzer	\$13,950	CG649	LVDS to 2050 MHz receiver	\$295
O780M1	8 MSample memory for SR780 and SR785	\$800	CG650	All ten receivers (CG640-CG649)	\$2,495
O780RM	Rack mount kit for SR780 and SR785	\$100	O635RMD	Double rack mount kit	\$100
CT100	SRS instrument cart	\$850	O635RMS	Single rack mount kit	\$100
Synthesized 1	Function Generators		Frequency St	tandards / Oscillators	
Synthesized 1 DS335		\$1,295	Frequency St		\$2,695
•	Function Generators 3 MHz function generator GPIB and RS-232 interfaces	\$1,295 \$495		tandards / Oscillators Benchtop rubidium frequency standard Distribution amplifier - 6 additional outputs	\$2,695 \$495
DS335	3 MHz function generator		FS725	Benchtop rubidium frequency standard	
DS335 01	3 MHz function generator GPIB and RS-232 interfaces	\$495	FS725 01	Benchtop rubidium frequency standard Distribution amplifier - 6 additional outputs	\$495
DS335 01 02	3 MHz function generator GPIB and RS-232 interfaces 2 ppm TCXO timebase	\$495 \$350	FS725 01 02	Benchtop rubidium frequency standard Distribution amplifier - 6 additional outputs Distribution amplifier - 12 additional outputs	\$495 \$995
DS335 01 02 DS340	3 MHz function generator GPIB and RS-232 interfaces 2 ppm TCXO timebase 15 MHz function/arb generator	\$495 \$350 \$1,395	FS725 01 02 03	Benchtop rubidium frequency standard Distribution amplifier - 6 additional outputs Distribution amplifier - 12 additional outputs Distribution amplifier - 18 additional outputs	\$495 \$995 \$1,495
DS335 01 02 DS340 01	3 MHz function generator GPIB and RS-232 interfaces 2 ppm TCXO timebase 15 MHz function/arb generator GPIB & RS-232 interfaces, arb. software	\$495 \$350 \$1,395 \$495	FS725 01 02 03 0725RMD	Benchtop rubidium frequency standard Distribution amplifier - 6 additional outputs Distribution amplifier - 12 additional outputs Distribution amplifier - 18 additional outputs Double rack mount kit for FS725	\$495 \$995 \$1,495 \$100
DS335 01 02 DS340 01 02	3 MHz function generator GPIB and RS-232 interfaces 2 ppm TCXO timebase 15 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 2 ppm TCXO timebase	\$495 \$350 \$1,395 \$495 \$350	FS725 01 02 03 0725RMD 0725RMS	Benchtop rubidium frequency standard Distribution amplifier - 6 additional outputs Distribution amplifier - 12 additional outputs Distribution amplifier - 18 additional outputs Double rack mount kit for FS725 Single rack mount kit for FS725	\$495 \$995 \$1,495 \$100 \$100
DS335 01 02 DS340 01 02 DS345	3 MHz function generator GPIB and RS-232 interfaces 2 ppm TCXO timebase 15 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 2 ppm TCXO timebase 30 MHz function/arb generator GPIB & RS-232 interfaces, arb. software	\$495 \$350 \$1,395 \$495 \$350 \$1,595	FS725 01 02 03 0725RMD 0725RMS FS730	Benchtop rubidium frequency standard Distribution amplifier - 6 additional outputs Distribution amplifier - 12 additional outputs Distribution amplifier - 18 additional outputs Double rack mount kit for FS725 Single rack mount kit for FS725 Seven-channel distribution amplifier	\$495 \$995 \$1,495 \$100 \$100 Call
DS335 01 02 DS340 01 02 DS345 01	3 MHz function generator GPIB and RS-232 interfaces 2 ppm TCXO timebase 15 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 2 ppm TCXO timebase 30 MHz function/arb generator	\$495 \$350 \$1,395 \$495 \$350 \$1,595 \$495	FS725 01 02 03 0725RMD 0725RMS FS730 RM1U	Benchtop rubidium frequency standard Distribution amplifier - 6 additional outputs Distribution amplifier - 12 additional outputs Distribution amplifier - 18 additional outputs Double rack mount kit for FS725 Single rack mount kit for FS725 Seven-channel distribution amplifier 1U dual rack mount	\$495 \$995 \$1,495 \$100 \$100 Call \$100
DS335 01 02 DS340 01 02 DS345 01 02	3 MHz function generator GPIB and RS-232 interfaces 2 ppm TCXO timebase 15 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 2 ppm TCXO timebase 30 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 10 ppb high stability OCXO timebase	\$495 \$350 \$1,395 \$495 \$350 \$1,595 \$495 \$650	FS725 01 02 03 0725RMD 0725RMS FS730 RM1U FS735	Benchtop rubidium frequency standard Distribution amplifier - 6 additional outputs Distribution amplifier - 12 additional outputs Distribution amplifier - 18 additional outputs Double rack mount kit for FS725 Single rack mount kit for FS725 Seven-channel distribution amplifier 1U dual rack mount Fourteen-channel distribution amplifier	\$495 \$995 \$1,495 \$100 \$100 Call \$100 Call
DS335 01 02 DS340 01 02 DS345 01 02 O345RMD	3 MHz function generator GPIB and RS-232 interfaces 2 ppm TCXO timebase 15 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 2 ppm TCXO timebase 30 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 10 ppb high stability OCXO timebase Double rack mount kit for DS3XX	\$495 \$350 \$1,395 \$495 \$350 \$1,595 \$495 \$650 \$100	FS725 01 02 03 0725RMD 0725RMS FS730 RM1U FS735 PRS10	Benchtop rubidium frequency standard Distribution amplifier - 6 additional outputs Distribution amplifier - 12 additional outputs Distribution amplifier - 18 additional outputs Double rack mount kit for FS725 Single rack mount kit for FS725 Seven-channel distribution amplifier 1U dual rack mount Fourteen-channel distribution amplifier 10 MHz rubidium oscillator	\$495 \$995 \$1,495 \$100 \$100 Call \$100 Call \$1,495
DS335 01 02 DS340 01 02 DS345 01 02 O345RMD O345RMS	3 MHz function generator GPIB and RS-232 interfaces 2 ppm TCXO timebase 15 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 2 ppm TCXO timebase 30 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 10 ppb high stability OCXO timebase Double rack mount kit for DS3XX Single rack mount kit for DS3XX	\$495 \$350 \$1,395 \$495 \$350 \$1,595 \$495 \$650 \$100 \$100	FS725 01 02 03 0725RMD 0725RMS FS730 RM1U FS735 PRS10 PRBB	Benchtop rubidium frequency standard Distribution amplifier - 6 additional outputs Distribution amplifier - 12 additional outputs Distribution amplifier - 18 additional outputs Double rack mount kit for FS725 Single rack mount kit for FS725 Seven-channel distribution amplifier 1U dual rack mount Fourteen-channel distribution amplifier 10 MHz rubidium oscillator Breakout connector board	\$495 \$995 \$1,495 \$100 \$100 Call \$100 Call \$1,495 \$150
DS335 01 02 DS340 01 02 DS345 01 02 O345RMD O345RMS DS360	3 MHz function generator GPIB and RS-232 interfaces 2 ppm TCXO timebase 15 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 2 ppm TCXO timebase 30 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 10 ppb high stability OCXO timebase Double rack mount kit for DS3XX Single rack mount kit for DS3XX Ultra-low distortion function generator	\$495 \$350 \$1,395 \$495 \$350 \$1,595 \$495 \$650 \$100 \$100 \$2,795	FS725 01 02 03 0725RMD 0725RMS FS730 RM1U FS735 PRS10 PRBB PRPS	Benchtop rubidium frequency standard Distribution amplifier - 6 additional outputs Distribution amplifier - 12 additional outputs Distribution amplifier - 18 additional outputs Double rack mount kit for FS725 Single rack mount kit for FS725 Seven-channel distribution amplifier 1U dual rack mount Fourteen-channel distribution amplifier 10 MHz rubidium oscillator Breakout connector board 24 VDC switching power supply Benchtop heat sink	\$495 \$995 \$1,495 \$100 \$100 Call \$100 Call \$1,495 \$150
DS335 01 02 DS340 01 02 DS345 01 02 O345RMD O345RMS DS360 03	3 MHz function generator GPIB and RS-232 interfaces 2 ppm TCXO timebase 15 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 2 ppm TCXO timebase 30 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 10 ppb high stability OCXO timebase Double rack mount kit for DS3XX Single rack mount kit for DS3XX Ultra-low distortion function generator 10 MHz reference input for DS360	\$495 \$350 \$1,395 \$495 \$350 \$1,595 \$495 \$650 \$100 \$100 \$2,795 \$695	FS725 01 02 03 O725RMD O725RMS FS730 RM1U FS735 PRS10 PRBB PRPS PRHS PRMC	Benchtop rubidium frequency standard Distribution amplifier - 6 additional outputs Distribution amplifier - 12 additional outputs Distribution amplifier - 18 additional outputs Double rack mount kit for FS725 Single rack mount kit for FS725 Seven-channel distribution amplifier 1U dual rack mount Fourteen-channel distribution amplifier 10 MHz rubidium oscillator Breakout connector board 24 VDC switching power supply Benchtop heat sink D-type mating connector	\$495 \$995 \$1,495 \$100 \$100 Call \$1,495 \$150 \$150 \$50
DS335 01 02 DS340 01 02 DS345 01 02 O345RMD O345RMS DS360 03 O360RM	3 MHz function generator GPIB and RS-232 interfaces 2 ppm TCXO timebase 15 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 2 ppm TCXO timebase 30 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 10 ppb high stability OCXO timebase Double rack mount kit for DS3XX Single rack mount kit for DS3XX Ultra-low distortion function generator 10 MHz reference input for DS360 Rack mount kit	\$495 \$350 \$1,395 \$495 \$350 \$1,595 \$495 \$650 \$100 \$100 \$2,795 \$695	FS725 01 02 03 0725RMD 0725RMS FS730 RM1U FS735 PRS10 PRBB PRPS PRHS PRHC SC10	Benchtop rubidium frequency standard Distribution amplifier - 6 additional outputs Distribution amplifier - 12 additional outputs Distribution amplifier - 18 additional outputs Double rack mount kit for FS725 Single rack mount kit for FS725 Seven-channel distribution amplifier 1U dual rack mount Fourteen-channel distribution amplifier 10 MHz rubidium oscillator Breakout connector board 24 VDC switching power supply Benchtop heat sink D-type mating connector 10 MHz ovenized oscillator (base price, qty.100)	\$495 \$995 \$1,495 \$100 \$100 Call \$1,495 \$150 \$150 \$50 \$250
DS335 01 02 DS340 01 02 DS345 01 02 O345RMD O345RMS DS360 03 O360RM RF Signal Ge	3 MHz function generator GPIB and RS-232 interfaces 2 ppm TCXO timebase 15 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 2 ppm TCXO timebase 30 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 10 ppb high stability OCXO timebase Double rack mount kit for DS3XX Single rack mount kit for DS3XX Ultra-low distortion function generator 10 MHz reference input for DS360 Rack mount kit	\$495 \$350 \$1,395 \$495 \$350 \$1,595 \$495 \$650 \$100 \$100 \$2,795 \$695 \$100	FS725 01 02 03 O725RMD O725RMS FS730 RM1U FS735 PRS10 PRBB PRPS PRHS PRMC	Benchtop rubidium frequency standard Distribution amplifier - 6 additional outputs Distribution amplifier - 12 additional outputs Distribution amplifier - 18 additional outputs Double rack mount kit for FS725 Single rack mount kit for FS725 Seven-channel distribution amplifier 1U dual rack mount Fourteen-channel distribution amplifier 10 MHz rubidium oscillator Breakout connector board 24 VDC switching power supply Benchtop heat sink D-type mating connector	\$495 \$995 \$1,495 \$100 \$100 Call \$1,495 \$150 \$150 \$50
DS335 01 02 DS340 01 02 DS345 01 02 O345RMD O345RMS DS360 03 O360RM RF Signal Ge SG382	3 MHz function generator GPIB and RS-232 interfaces 2 ppm TCXO timebase 15 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 2 ppm TCXO timebase 30 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 10 ppb high stability OCXO timebase Double rack mount kit for DS3XX Single rack mount kit for DS3XX Ultra-low distortion function generator 10 MHz reference input for DS360 Rack mount kit	\$495 \$350 \$1,395 \$495 \$350 \$1,595 \$495 \$650 \$100 \$100 \$2,795 \$695 \$100	FS725 01 02 03 0725RMD 0725RMS FS730 RM1U FS735 PRS10 PRBB PRPS PRHS PRHC SC10 FS710	Benchtop rubidium frequency standard Distribution amplifier - 6 additional outputs Distribution amplifier - 12 additional outputs Distribution amplifier - 18 additional outputs Double rack mount kit for FS725 Single rack mount kit for FS725 Seven-channel distribution amplifier 1U dual rack mount Fourteen-channel distribution amplifier 10 MHz rubidium oscillator Breakout connector board 24 VDC switching power supply Benchtop heat sink D-type mating connector 10 MHz ovenized oscillator (base price, qty.100) 10 MHz AGC distribution amplifier (7 channel)	\$495 \$995 \$1,495 \$100 \$100 Call \$1,495 \$150 \$150 \$50 \$250
DS335 01 02 DS340 01 02 DS345 01 02 O345RMD O345RMS DS360 03 O360RM RF Signal Ge SG382 SG384	3 MHz function generator GPIB and RS-232 interfaces 2 ppm TCXO timebase 15 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 2 ppm TCXO timebase 30 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 10 ppb high stability OCXO timebase Double rack mount kit for DS3XX Single rack mount kit for DS3XX Ultra-low distortion function generator 10 MHz reference input for DS360 Rack mount kit	\$495 \$350 \$1,395 \$495 \$350 \$1,595 \$495 \$650 \$100 \$100 \$2,795 \$695 \$100 \$3,900 \$4,600	FS725 01 02 03 0725RMD 0725RMS FS730 RM1U FS735 PRS10 PRBB PRPS PRHS PRMC SC10 FS710 Time Interva	Benchtop rubidium frequency standard Distribution amplifier - 6 additional outputs Distribution amplifier - 12 additional outputs Distribution amplifier - 18 additional outputs Double rack mount kit for FS725 Single rack mount kit for FS725 Seven-channel distribution amplifier 1U dual rack mount Fourteen-channel distribution amplifier 10 MHz rubidium oscillator Breakout connector board 24 VDC switching power supply Benchtop heat sink D-type mating connector 10 MHz ovenized oscillator (base price, qty.100) 10 MHz AGC distribution amplifier (7 channel)	\$495 \$995 \$1,495 \$100 \$100 Call \$100 Call \$1,495 \$150 \$150 \$150 \$150 \$100 \$50 \$250 \$1,000
DS335 01 02 DS340 01 02 DS345 01 02 O345RMD O345RMS DS360 03 O360RM RF Signal Ge SG382 SG384 SG386	3 MHz function generator GPIB and RS-232 interfaces 2 ppm TCXO timebase 15 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 2 ppm TCXO timebase 30 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 10 ppb high stability OCXO timebase Double rack mount kit for DS3XX Single rack mount kit for DS3XX Ultra-low distortion function generator 10 MHz reference input for DS360 Rack mount kit	\$495 \$350 \$1,395 \$495 \$350 \$1,595 \$495 \$650 \$100 \$100 \$2,795 \$695 \$100 \$3,900 \$4,600 \$5,900	FS725 01 02 03 0725RMD 0725RMS FS730 RM1U FS735 PRS10 PRBB PRPS PRHS PRMC SC10 FS710 Time Interval	Benchtop rubidium frequency standard Distribution amplifier - 6 additional outputs Distribution amplifier - 12 additional outputs Distribution amplifier - 18 additional outputs Double rack mount kit for FS725 Single rack mount kit for FS725 Seven-channel distribution amplifier 1U dual rack mount Fourteen-channel distribution amplifier 10 MHz rubidium oscillator Breakout connector board 24 VDC switching power supply Benchtop heat sink D-type mating connector 10 MHz ovenized oscillator (base price, qty.100) 10 MHz AGC distribution amplifier (7 channel) Il and Frequency Counters Time interval/frequency counter (w/ rack mount)	\$495 \$995 \$1,495 \$100 \$100 Call \$100 Call \$1,495 \$150 \$150 \$150 \$250 \$1,000
DS335 01 02 DS340 01 02 DS345 01 02 O345RMD O345RMS DS360 03 O360RM RF Signal G6 SG382 SG384 SG386 01	3 MHz function generator GPIB and RS-232 interfaces 2 ppm TCXO timebase 15 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 2 ppm TCXO timebase 30 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 10 ppb high stability OCXO timebase Double rack mount kit for DS3XX Single rack mount kit for DS3XX Ultra-low distortion function generator 10 MHz reference input for DS360 Rack mount kit Penerators 2 GHz signal generator 4 GHz RF signal generator 6 GHz signal generator Rear-panel clock outputs (SMA connectors)	\$495 \$350 \$1,395 \$495 \$350 \$1,595 \$495 \$650 \$100 \$100 \$2,795 \$695 \$100 \$3,900 \$4,600 \$5,900 \$750	FS725 01 02 03 0725RMD 0725RMS FS730 RM1U FS735 PRS10 PRBB PRPS PRHS PRMC SC10 FS710 Time Interval	Benchtop rubidium frequency standard Distribution amplifier - 6 additional outputs Distribution amplifier - 12 additional outputs Distribution amplifier - 18 additional outputs Double rack mount kit for FS725 Single rack mount kit for FS725 Seven-channel distribution amplifier 1U dual rack mount Fourteen-channel distribution amplifier 10 MHz rubidium oscillator Breakout connector board 24 VDC switching power supply Benchtop heat sink D-type mating connector 10 MHz ovenized oscillator (base price, qty.100) 10 MHz AGC distribution amplifier (7 channel) Il and Frequency Counters Time interval/frequency counter (w/ rack mount) 2 ppb high stability OCXO timebase	\$495 \$995 \$1,495 \$100 \$100 Call \$100 Call \$1,495 \$150 \$150 \$150 \$250 \$1,000
DS335 01 02 DS340 01 02 DS345 01 02 O345RMD O345RMS DS360 03 O360RM RF Signal G6 SG382 SG384 SG386 01 02	3 MHz function generator GPIB and RS-232 interfaces 2 ppm TCXO timebase 15 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 2 ppm TCXO timebase 30 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 10 ppb high stability OCXO timebase Double rack mount kit for DS3XX Single rack mount kit for DS3XX Ultra-low distortion function generator 10 MHz reference input for DS360 Rack mount kit Penerators 2 GHz signal generator 4 GHz RF signal generator 6 GHz signal generator Rear-panel clock outputs (SMA connectors) 8 GHz doubler & DC bias (SG384 or SG386)	\$495 \$350 \$1,395 \$495 \$350 \$1,595 \$495 \$650 \$100 \$100 \$2,795 \$695 \$100 \$3,900 \$4,600 \$5,900 \$750 \$750	FS725 01 02 03 0725RMD 0725RMS FS730 RM1U FS735 PRS10 PRBB PRPS PRHS PRMC SC10 FS710 Time Interval	Benchtop rubidium frequency standard Distribution amplifier - 6 additional outputs Distribution amplifier - 12 additional outputs Distribution amplifier - 18 additional outputs Double rack mount kit for FS725 Single rack mount kit for FS725 Seven-channel distribution amplifier 1U dual rack mount Fourteen-channel distribution amplifier 10 MHz rubidium oscillator Breakout connector board 24 VDC switching power supply Benchtop heat sink D-type mating connector 10 MHz ovenized oscillator (base price, qty.100) 10 MHz AGC distribution amplifier (7 channel) Il and Frequency Counters Time interval/frequency counter (w/ rack mount)	\$495 \$995 \$1,495 \$100 \$100 Call \$100 Call \$1,495 \$150 \$150 \$150 \$250 \$1,000
DS335 01 02 DS340 01 02 DS345 01 02 O345RMD O345RMS DS360 03 O360RM RF Signal G6 SG382 SG384 SG386 01 02 03	3 MHz function generator GPIB and RS-232 interfaces 2 ppm TCXO timebase 15 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 2 ppm TCXO timebase 30 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 10 ppb high stability OCXO timebase Double rack mount kit for DS3XX Single rack mount kit for DS3XX Ultra-low distortion function generator 10 MHz reference input for DS360 Rack mount kit Penerators 2 GHz signal generator 4 GHz RF signal generator 6 GHz signal generator Rear-panel clock outputs (SMA connectors) 8 GHz doubler & DC bias (SG384 or SG386) External I/Q modulation	\$495 \$350 \$1,395 \$495 \$350 \$1,595 \$495 \$650 \$100 \$100 \$2,795 \$695 \$100 \$3,900 \$4,600 \$5,900 \$750 \$750	FS725 01 02 03 0725RMD 0725RMS FS730 RM1U FS735 PRS10 PRBB PRPS PRHS PRMC SC10 FS710 Time Interval	Benchtop rubidium frequency standard Distribution amplifier - 6 additional outputs Distribution amplifier - 12 additional outputs Distribution amplifier - 18 additional outputs Double rack mount kit for FS725 Single rack mount kit for FS725 Seven-channel distribution amplifier 1U dual rack mount Fourteen-channel distribution amplifier 10 MHz rubidium oscillator Breakout connector board 24 VDC switching power supply Benchtop heat sink D-type mating connector 10 MHz ovenized oscillator (base price, qty.100) 10 MHz AGC distribution amplifier (7 channel) Il and Frequency Counters Time interval/frequency counter (w/ rack mount) 2 ppb high stability OCXO timebase	\$495 \$995 \$1,495 \$100 \$100 Call \$100 Call \$1,495 \$150 \$150 \$150 \$250 \$1,000
DS335 01 02 DS340 01 02 DS345 01 02 O345RMD O345RMS DS360 03 O360RM RF Signal G6 SG382 SG384 SG386 01 02	3 MHz function generator GPIB and RS-232 interfaces 2 ppm TCXO timebase 15 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 2 ppm TCXO timebase 30 MHz function/arb generator GPIB & RS-232 interfaces, arb. software 10 ppb high stability OCXO timebase Double rack mount kit for DS3XX Single rack mount kit for DS3XX Ultra-low distortion function generator 10 MHz reference input for DS360 Rack mount kit Penerators 2 GHz signal generator 4 GHz RF signal generator 6 GHz signal generator Rear-panel clock outputs (SMA connectors) 8 GHz doubler & DC bias (SG384 or SG386)	\$495 \$350 \$1,395 \$495 \$350 \$1,595 \$495 \$650 \$100 \$100 \$2,795 \$695 \$100 \$3,900 \$4,600 \$5,900 \$750 \$750	FS725 01 02 03 0725RMD 0725RMS FS730 RM1U FS735 PRS10 PRBB PRPS PRHS PRMC SC10 FS710 Time Interval	Benchtop rubidium frequency standard Distribution amplifier - 6 additional outputs Distribution amplifier - 12 additional outputs Distribution amplifier - 18 additional outputs Double rack mount kit for FS725 Single rack mount kit for FS725 Seven-channel distribution amplifier 1U dual rack mount Fourteen-channel distribution amplifier 10 MHz rubidium oscillator Breakout connector board 24 VDC switching power supply Benchtop heat sink D-type mating connector 10 MHz ovenized oscillator (base price, qty.100) 10 MHz AGC distribution amplifier (7 channel) Il and Frequency Counters Time interval/frequency counter (w/ rack mount) 2 ppb high stability OCXO timebase	\$495 \$995 \$1,495 \$100 \$100 Call \$100 Call \$1,495 \$150 \$150 \$150 \$250 \$1,000

\$100

LCR Meters			O850H	Carrying handle kit	\$100
SR715	10 kHz LCR meter (with RS-232)	\$995	SR124	200 kHz analog lock-in amplifier	\$6,950
SR720	100 kHz meter (RS232, GPIB & Handler interface)	\$1,495	SX199	Remote optical interface unit for SR124	\$1,095
SR726	Kelvin clips	\$400			
SR727	Surface mount tweezers	\$300	Preamplifiers	S	
SR728	Four-wire BNC adapter	\$200	SR560	Low-noise voltage preamplifier	\$2,595
O727RT	2 pairs of replacement tips for SR727	\$100	SR570	Low-noise current preamplifier	\$2,395
O715RAA	Replacement axial adapters (2 pair)	\$100	O560RMD	Double rack mount kit for SR5XX	\$100
O715RRF	Replacement radial fixture	\$100	O560RMS	Single rack mount kit for SR5XX	\$100
	-		O560SB	Spare battery set (3 batteries) for SR5XX	\$200
Dual Channe	l Programmable Filters		SR445A	350 MHz preamplifier (4 ch.)	\$1,200
SR640	Two-channel low pass filter (w/ rack mount)	\$3,295	RM1U	1U dual rack mount	\$100
SR645	Two-channel high pass filter (w/ rack mount)	\$3,295	SR550	JFET lock-in voltage preamplifier	\$750
SR650	One high, one low pass filter (w/ rack mount)	\$3,295	SR552	BJT lock-in voltage preamplifier	\$750
01	High current output for SR6XX filters	\$200	SR554	Lock-in transformer preamplifier	\$1,200
			SR555	Current preamplifier (10 V/æA)	\$1,095
Thermocoup	le Monitor		SR556	Current preamplfier (1 V/nA)	\$1,095
SR630	16-channel thermocouple monitor	\$1,495			
O630KF1	K-type thermocouples, 5 ft., fiberglass, qty. 5	\$100	Optical Chop	per	
O630KF2	K-type thermocouples, 10 ft., fiberglass, qty. 5	\$100	SR540	Optical chopper (with 5/6 and 25/30 slot blades)	\$1,195
O630KT1	K-type thermocouples, 5 ft., teflon, qty. 5	\$100	O5402530	25/30 dual-slot replacement blade	\$50
O630KT1	K-type thermocouples, 10 ft., teflon, qty. 5	\$100	O54030	30-slot replacement blade	\$50
O630RMD	Double rack mount kit	\$100	O5405	5-slot replacement blade	\$50
O630RMS	Single rack mount kit	\$100	O54056	5/6 dual-slot replacement blade	\$50
Oosoitivis	Single rack mount kit	Ψ100	O540RCH	Replacement chopper head	\$350
Digital Delay	/ Pulse Generator				
DG645	Four-channel digital delay generator	\$4,195	Laser Shutter	r	
01	Eight delay channels (5 V)	\$950	SR470	Shutter controller	\$1,295
02	Eight delay channels (30 V)	\$950	SR474	4-ch. shutter driver	\$1,295
03	Combinatorial outputs	\$950	O470RMS	Single rack mount kit for SR470 and SR474	\$100
04	OCXO timebase	\$950	O470RMD	Double rack mount kit for SR470 and SR474	\$100
05	Rubidium timebase	\$1,650	SR475	Shutter head (100 Hz)	\$595
O645RMS	Single rack mount kit	\$100	SR476	Shutter head (125 Hz)	\$595
O645RMD	Dual rack mount kit	\$100			
SRD1	Fast rise time module (100 ps)	\$250	Laser Diode	Controller	
DG535	Digital delay / pulse generator (with GPIB)	\$4,195	LDC500	Laser diode controller (w/ temperature controller)	\$2,495
02	+/-32 volt rear panel outputs	\$650	LDC501	Laser diode controller (w/ temperature controller)	\$2,495
03	1 ppm TCXO timebase	\$350	LDC502	Laser diode controller (w/ temperature controller)	\$2,795
06	Trigger inhibit input	\$250	O500RM	Dual rack mount tray for LDC500 and LDC501	\$150
SRD1	Fast rise time module (100 ps)	\$250	O500C1	6' laser diode cable with flying leads	\$150
/4B	100 ps fall time module	\$250	O500C2	6' TEC cable with flying leads	\$150
/4C	Bias Tee (used with opt. 02 & O4A or O4B)	\$100	O500C3	6 foot laser diode cable with mating D connector	\$150
/5	Dual rack mount tray	\$150	O500C4	6 foot TEC cable with mating D connector	\$150
DB64	Coax delay box	\$495	O500C5	12' laser diode cable with mating D connector	\$150
RM1U	1U dual rack mount	\$100	O500C6	12' TEC cable with mating D connector	\$150
Gated Integra	ators / Boxcar Averagers (NIM Modules)		High Voltage	Power Supplies	
SR200	Gate scanner for SR250 and SR255	\$1,000	PS310	1.25 kV DC power supply, 25 W	\$1,395
SR235	Analog math processor	\$1,500	PS325	2.5 kV DC power supply, 25 W	\$1,395
SR240A	350 MHz preamplifier (4 channel)	\$1,000	PS350	5.0 kV DC power supply, 25 W	\$1,395
SR245	Computer interface (GPIB and RS-232)	\$1,500	01	GPIB interface for PS310, PS325 & PS350	\$595
SR250	Gated integrator	\$2,990	/2D	Double rack mount kit (PS310, PS325, PS350)	\$100
SR255	Fast sampler	\$2,990	/2S	Single rack mount kit (PS310, PS325, PS350)	\$100
SR272	Data acquisition Windows software	\$500	/3A	SHV to SHV cable, 10 ft. (PS310, PS325, PS350)	\$150
SR275	Display module (without power supply)	\$800	/3B	SHV to MHV cable, 10 ft. (PS310, PS325, PS350)	\$150
SR280	NIM mainframe & display (with power supply)	\$2,000	PS355	-10 kV supply with GPIB and RS-232	\$2,250
			PS365	+10 kV supply with GPIB and RS-232	\$2,250
Lock-In Amp	olifiers		/3C	10 kV-SHV to open-ended cable, 10 ft.	\$395
SR510	Single phase lock-in (w/ RS-232 & rack mount)	\$2,495	/3D	10 kV-SHV to 10 kV-SHV cable, 10 ft.	\$595
SR530	Dual phase lock-in (w/ RS-232 & rack mount)	\$2,995	PS370	-20 kV supply with GPIB and RS-232	\$2,250
01	GPIB computer interface	\$995	PS375	+20 kV supply with GPIB and RS-232	\$2,250
02	Internal oscillator	\$995	/3E	20 kV-SHV to open-ended cable, 10 ft.	\$695
SR810	DSP single phase lock-in (with rack mount)	\$4,150	/3F	20 kV-SHV to 20 kV-SHV cable, 10 ft.	\$795
SR830	DSP dual phase lock-in (with rack mount)	\$4,950	O300RMD	Double rack mount kit (PS355, PS365, PS370, PS375)	\$100
SR844	200 MHz lock-in (with rack mount)	\$8,450	O300RMS	Single rack mount kit (PS355, PS365, PS370, PS375)	\$100
SR850	DSP dual phase lock-in (with rack mount)	\$7,950			
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Small Instrun	nentation Modules (SIM)		PTC323	2 channel thermistor/diode/RTD	\$750
SIM900	Mainframe with RS-232 computer interface	\$1,195	PTC330E	4-ch. E-type thermocouple card	\$495
01	GPIB computer interface	\$495	PTC330J	4-ch. J-type thermocouple card	\$495
O900RM	Rack mount kit for SIM900	\$100	PTC330K	4-ch. K-type thermocouple card	\$495
SIM910	JFET preamplifier	\$975	PTC330N	4 channel N-type thermocouple reader	\$495
SIM911	BJT preamplifier	\$975	PTC330T	4-ch. T-type thermocouple card	\$495
SIM914	350 MHz preamplifier	\$975	PTC420	600 W AC ouptut card	\$495
SIM918	Precision current preamplifier	\$1,250	PTC430	50 W DC output card	\$495
SIM921	AC resistance bridge	\$2,495	PTC431	100 W DC output card	\$750
SIM922	Diode temperature monitor	\$895	PTC440	TEC driver	\$495
SIM922A	Diode temperature monitor with analog output	\$895			
SIM923	Platinum RTD monitor	\$895	Nitrogen Las	er	
SIM923A	Platinum RTD monitor with analog output	\$895	NL100	Nitrogen laser	\$4,750
SIM925	Octal 4-wire multiplexer	\$990	01	Optional sync-out pulse	\$250
SIM928	Rechargeable isolated voltage source	\$1,095	O100RC	Replacement laser cartridge	\$3,000
O928RBA	Replacement battery assembly	\$250			
SIM940	Rubidium frequency standard	\$1,495	Potentiostat /	/ Galvanostat	
SIM954	Dual-channel 300 MHz inverting amplifier	\$975	EC301	30 V / 1 A potentiostat / galvanostat	\$7,990
SIM960	100 kHz analog PID controller	\$1,750	LC301	30 V / 171 potentiostat / garvanostat	Ψ1,550
SIM964	1 MHz analog limiter	\$995	Docidual Cas	Anglyzorg	
SIM965	Bessel and Butterworth filter	\$1,095	Residual Gas	•	d2 750
SIM970	Four-channel digital voltmeter	\$1,390	RGA100	100 amu RGA (with RS-232 cable & software)	\$3,750
SIM980	Analog summing amplifier	\$995	RGA200	200 amu RGA (with RS-232 cable & software)	\$4,750
SIM983	Scaling amplifier	\$995	RGA300	300 amu RGA (with RS-232 cable & software)	\$6,250
SIM984	Isolation amplifier	\$995	01	Electron multiplier (EM)	\$1,500
SIM9B1	Blank single-wide SIM module	\$150	02	Built-in power module for AC line operation	\$250
SIM9B2	Blank double-wide SIM module	\$175	03	Ion counting output (must have opt. 01)	\$250 \$450
			O100HJR	Heater jacket for RGAs (120 VAC & 220 VAC)	\$450 \$600
Photon Count	ters		O100MAX O100EM	Maximum insertion nipple with 4.5" flange	\$1,000
SR400	Dual-channel photon counter (w/ rack mount)	\$5,350	O100EM O100RI	Replacement electron multiplier	
SR430	Multichannel scaler / averager (with rack mount)	\$7,950	O100RI O100REA	Replacement ionizer kit (with filament) for RGA	\$450 \$495
SR445A	350 MHz preamplifier (4 ch.)	\$1,200	O100REA O100RF	Ethernet adapter for RGA Replacement ThO2Ir filament for RGA	\$493 \$200
O430H	Carrying handle kit	\$100	PPM100	Optional stand-alone monitor for RGA	\$2,495
		•	11 11100	Optional stand-alone monitor for KGA	\$2,493
Melting Point	= =		Closed Ion So	ource Gas Analyzers	
MPA100	Melting point apparatus (with USB & software)	\$2,795	CIS100	100 amu CIS (w/EM, RS-232 cable & software)	\$7,250
MPA120	Melting point apparatus	\$2,195	CIS100 CIS200	100 amu CIS (w/EM, RS-232 cable & software) 200 amu CIS (w/EM, RS-232 cable & software)	\$7,250 \$8,250
	Melting point apparatus Melting point apparatus for students	•			
MPA120 MPA160	Melting point apparatus Melting point apparatus for students (100 to 132 VAC, 50 to 60 Hz)	\$2,195 \$790	CIS200	200 amu CIS (w/EM, RS-232 cable & software)	\$8,250
MPA120	Melting point apparatus Melting point apparatus for students (100 to 132 VAC, 50 to 60 Hz) Melting point apparatus for students	\$2,195	CIS200 CIS300	200 amu CIS (w/EM, RS-232 cable & software) 300 amu CIS (w/EM, RS-232 cable & software)	\$8,250 \$9,750
MPA120 MPA160 MPA161	Melting point apparatus Melting point apparatus for students (100 to 132 VAC, 50 to 60 Hz) Melting point apparatus for students (200 to 250 VAC, 50 to 60 Hz)	\$2,195 \$790 \$790	CIS200 CIS300 02	200 amu CIS (w/EM, RS-232 cable & software) 300 amu CIS (w/EM, RS-232 cable & software) Built-in power module for AC line operation	\$8,250 \$9,750 \$250
MPA120 MPA160 MPA161 O100MPC	Melting point apparatus Melting point apparatus for students (100 to 132 VAC, 50 to 60 Hz) Melting point apparatus for students (200 to 250 VAC, 50 to 60 Hz) Capillaries (300 pcs.)	\$2,195 \$790 \$790 \$150	CIS200 CIS300 02 O100REA	200 amu CIS (w/EM, RS-232 cable & software) 300 amu CIS (w/EM, RS-232 cable & software) Built-in power module for AC line operation Ethernet adapter for RGA	\$8,250 \$9,750 \$250 \$495
MPA120 MPA160 MPA161 O100MPC O100MPS	Melting point apparatus Melting point apparatus for students (100 to 132 VAC, 50 to 60 Hz) Melting point apparatus for students (200 to 250 VAC, 50 to 60 Hz) Capillaries (300 pcs.) Melting point standards	\$2,195 \$790 \$790 \$150 \$295	CIS200 CIS300 02 O100REA O100EM	200 amu CIS (w/EM, RS-232 cable & software) 300 amu CIS (w/EM, RS-232 cable & software) Built-in power module for AC line operation Ethernet adapter for RGA Replacement electron multiplier	\$8,250 \$9,750 \$250 \$495 \$1,000
MPA120 MPA160 MPA161 O100MPC	Melting point apparatus Melting point apparatus for students (100 to 132 VAC, 50 to 60 Hz) Melting point apparatus for students (200 to 250 VAC, 50 to 60 Hz) Capillaries (300 pcs.)	\$2,195 \$790 \$790 \$150	CIS200 CIS300 02 O100REA O100EM O100RFT	200 amu CIS (w/EM, RS-232 cable & software) 300 amu CIS (w/EM, RS-232 cable & software) Built-in power module for AC line operation Ethernet adapter for RGA Replacement electron multiplier Replacement ThO2Ir filament (qty. 2)	\$8,250 \$9,750 \$250 \$495 \$1,000 \$125
MPA120 MPA160 MPA161 O100MPC O100MPS	Melting point apparatus Melting point apparatus for students (100 to 132 VAC, 50 to 60 Hz) Melting point apparatus for students (200 to 250 VAC, 50 to 60 Hz) Capillaries (300 pcs.) Melting point standards	\$2,195 \$790 \$790 \$150 \$295	CIS200 CIS300 02 O100REA O100EM O100RFT O100RFW	200 amu CIS (w/EM, RS-232 cable & software) 300 amu CIS (w/EM, RS-232 cable & software) Built-in power module for AC line operation Ethernet adapter for RGA Replacement electron multiplier Replacement ThO2Ir filament (qty. 2) Replacement tungsten filament (qty. 5)	\$8,250 \$9,750 \$250 \$495 \$1,000 \$125 \$100
MPA120 MPA160 MPA161 O100MPC O100MPS O100P	Melting point apparatus Melting point apparatus for students (100 to 132 VAC, 50 to 60 Hz) Melting point apparatus for students (200 to 250 VAC, 50 to 60 Hz) Capillaries (300 pcs.) Melting point standards Printer with cable and paper (MPA100 only)	\$2,195 \$790 \$790 \$150 \$295	CIS200 CIS300 02 O100REA O100EM O100RFT O100RFW O100RIC O100TDP	200 amu CIS (w/EM, RS-232 cable & software) 300 amu CIS (w/EM, RS-232 cable & software) Built-in power module for AC line operation Ethernet adapter for RGA Replacement electron multiplier Replacement ThO2Ir filament (qty. 2) Replacement tungsten filament (qty. 5) Replacement ionizer kit (with filament) for CIS Turbomolecular pump and diaphragm pump	\$8,250 \$9,750 \$250 \$495 \$1,000 \$125 \$100 \$900
MPA120 MPA160 MPA161 O100MPC O100MPS O100P	Melting point apparatus Melting point apparatus for students (100 to 132 VAC, 50 to 60 Hz) Melting point apparatus for students (200 to 250 VAC, 50 to 60 Hz) Capillaries (300 pcs.) Melting point standards Printer with cable and paper (MPA100 only)	\$2,195 \$790 \$790 \$150 \$295 \$595	CIS200 CIS300 02 O100REA O100EM O100RFT O100RFW O100RIC O100TDP	200 amu CIS (w/EM, RS-232 cable & software) 300 amu CIS (w/EM, RS-232 cable & software) Built-in power module for AC line operation Ethernet adapter for RGA Replacement electron multiplier Replacement ThO2Ir filament (qty. 2) Replacement tungsten filament (qty. 5) Replacement ionizer kit (with filament) for CIS Turbomolecular pump and diaphragm pump	\$8,250 \$9,750 \$250 \$495 \$1,000 \$125 \$100 \$900 \$9,975
MPA120 MPA160 MPA161 O100MPC O100MPS O100P Quartz Crysta QCM200	Melting point apparatus Melting point apparatus for students (100 to 132 VAC, 50 to 60 Hz) Melting point apparatus for students (200 to 250 VAC, 50 to 60 Hz) Capillaries (300 pcs.) Melting point standards Printer with cable and paper (MPA100 only) al Microbalance Includes controller, oscillator, holder and 3 crystals	\$2,195 \$790 \$790 \$150 \$295 \$595	CIS200 CIS300 02 O100REA O100EM O100RFT O100RFW O100RIC O100TDP High Pressur PPR100	200 amu CIS (w/EM, RS-232 cable & software) 300 amu CIS (w/EM, RS-232 cable & software) Built-in power module for AC line operation Ethernet adapter for RGA Replacement electron multiplier Replacement ThO2Ir filament (qty. 2) Replacement tungsten filament (qty. 5) Replacement ionizer kit (with filament) for CIS Turbomolecular pump and diaphragm pump Te Sampling Systems 100 amu process monitoring system	\$8,250 \$9,750 \$250 \$495 \$1,000 \$125 \$100 \$900 \$9,975
MPA120 MPA160 MPA161 O100MPC O100MPS O100P Quartz Crysta QCM200 O100CCB	Melting point apparatus Melting point apparatus for students (100 to 132 VAC, 50 to 60 Hz) Melting point apparatus for students (200 to 250 VAC, 50 to 60 Hz) Capillaries (300 pcs.) Melting point standards Printer with cable and paper (MPA100 only) al Microbalance Includes controller, oscillator, holder and 3 crystals Crystal cleaning basket	\$2,195 \$790 \$790 \$150 \$295 \$595 \$2,995 \$195	CIS200 CIS300 02 0100REA 0100EM 0100RFT 0100RFW 0100RIC 0100TDP High Pressur PPR100 PPR200	200 amu CIS (w/EM, RS-232 cable & software) 300 amu CIS (w/EM, RS-232 cable & software) Built-in power module for AC line operation Ethernet adapter for RGA Replacement electron multiplier Replacement ThO2Ir filament (qty. 2) Replacement tungsten filament (qty. 5) Replacement ionizer kit (with filament) for CIS Turbomolecular pump and diaphragm pump Te Sampling Systems 100 amu process monitoring system 200 amu process monitoring system	\$8,250 \$9,750 \$250 \$495 \$1,000 \$125 \$100 \$900 \$9,975
MPA120 MPA160 MPA161 O100MPC O100MPS O100P Quartz Crysta QCM200 O100CCB O100FC	Melting point apparatus Melting point apparatus for students (100 to 132 VAC, 50 to 60 Hz) Melting point apparatus for students (200 to 250 VAC, 50 to 60 Hz) Capillaries (300 pcs.) Melting point standards Printer with cable and paper (MPA100 only) al Microbalance Includes controller, oscillator, holder and 3 crystals Crystal cleaning basket Flow cell	\$2,195 \$790 \$790 \$150 \$295 \$595 \$195 \$2,995 \$195 \$295	CIS200 CIS300 02 0100REA 0100EM 0100RFT 0100RFW 0100RIC 0100TDP High Pressur PPR100 PPR200 PPR300	200 amu CIS (w/EM, RS-232 cable & software) 300 amu CIS (w/EM, RS-232 cable & software) Built-in power module for AC line operation Ethernet adapter for RGA Replacement electron multiplier Replacement ThO2Ir filament (qty. 2) Replacement tungsten filament (qty. 5) Replacement ionizer kit (with filament) for CIS Turbomolecular pump and diaphragm pump Te Sampling Systems 100 amu process monitoring system 200 amu process monitoring system 300 amu process monitoring system	\$8,250 \$9,750 \$250 \$495 \$1,000 \$125 \$100 \$900 \$9,975 \$19,000 \$20,000 \$21,500
MPA120 MPA160 MPA161 O100MPC O100MPS O100P Quartz Crysta QCM200 O100CCB O100FC O100RXO	Melting point apparatus Melting point apparatus for students (100 to 132 VAC, 50 to 60 Hz) Melting point apparatus for students (200 to 250 VAC, 50 to 60 Hz) Capillaries (300 pcs.) Melting point standards Printer with cable and paper (MPA100 only) al Microbalance Includes controller, oscillator, holder and 3 crystals Crystal cleaning basket Flow cell Replacement crystal oscillator electronics module	\$2,195 \$790 \$790 \$150 \$295 \$595 \$195 \$2,995 \$195 \$295 \$395	CIS200 CIS300 02 0100REA 0100EM 0100RFT 0100RFW 0100RIC 0100TDP High Pressur PPR100 PPR200 PPR300 QMS100	200 amu CIS (w/EM, RS-232 cable & software) 300 amu CIS (w/EM, RS-232 cable & software) Built-in power module for AC line operation Ethernet adapter for RGA Replacement electron multiplier Replacement ThO2Ir filament (qty. 2) Replacement tungsten filament (qty. 5) Replacement ionizer kit (with filament) for CIS Turbomolecular pump and diaphragm pump Te Sampling Systems 100 amu process monitoring system 200 amu process monitoring system 300 amu process monitoring system 100 amu atmospheric sampling system	\$8,250 \$9,750 \$250 \$495 \$1,000 \$125 \$100 \$900 \$9,975 \$19,000 \$20,000 \$21,500 \$23,000
MPA120 MPA160 MPA161 O100MPC O100MPS O100P Quartz Crysta QCM200 O100CCB O100FC O100RXO O100RH	Melting point apparatus Melting point apparatus for students (100 to 132 VAC, 50 to 60 Hz) Melting point apparatus for students (200 to 250 VAC, 50 to 60 Hz) Capillaries (300 pcs.) Melting point standards Printer with cable and paper (MPA100 only) al Microbalance Includes controller, oscillator, holder and 3 crystals Crystal cleaning basket Flow cell Replacement crystal oscillator electronics module Replacement crystal holder	\$2,195 \$790 \$790 \$150 \$295 \$595 \$195 \$295 \$395 \$395 \$395	CIS200 CIS300 02 0100REA 0100EM 0100RFT 0100RFW 0100RIC 0100TDP High Pressur PPR100 PPR200 PPR300 QMS100 QMS200	200 amu CIS (w/EM, RS-232 cable & software) 300 amu CIS (w/EM, RS-232 cable & software) Built-in power module for AC line operation Ethernet adapter for RGA Replacement electron multiplier Replacement ThO2Ir filament (qty. 2) Replacement tungsten filament (qty. 5) Replacement ionizer kit (with filament) for CIS Turbomolecular pump and diaphragm pump Te Sampling Systems 100 amu process monitoring system 200 amu process monitoring system 300 amu process monitoring system 100 amu atmospheric sampling system 200 amu atmospheric sampling system	\$8,250 \$9,750 \$250 \$495 \$1,000 \$125 \$100 \$900 \$9,975 \$19,000 \$20,000 \$21,500 \$23,000 \$24,000
MPA120 MPA160 MPA161 O100MPC O100MPS O100P Quartz Crysta QCM200 O100CCB O100FC O100RXO O100RH O100RX1	Melting point apparatus Melting point apparatus for students (100 to 132 VAC, 50 to 60 Hz) Melting point apparatus for students (200 to 250 VAC, 50 to 60 Hz) Capillaries (300 pcs.) Melting point standards Printer with cable and paper (MPA100 only) al Microbalance Includes controller, oscillator, holder and 3 crystals Crystal cleaning basket Flow cell Replacement crystal oscillator electronics module Replacement crystal holder Chrome/gold crystals (qty. 10)	\$2,195 \$790 \$790 \$150 \$295 \$595 \$195 \$295 \$395 \$395 \$350	CIS200 CIS300 02 0100REA 0100EM 0100RFT 0100RFW 0100RIC 0100TDP High Pressur PPR100 PPR200 PPR300 QMS100 QMS200 QMS300	200 amu CIS (w/EM, RS-232 cable & software) 300 amu CIS (w/EM, RS-232 cable & software) Built-in power module for AC line operation Ethernet adapter for RGA Replacement electron multiplier Replacement ThO2Ir filament (qty. 2) Replacement tungsten filament (qty. 5) Replacement ionizer kit (with filament) for CIS Turbomolecular pump and diaphragm pump Te Sampling Systems 100 amu process monitoring system 200 amu process monitoring system 300 amu atmospheric sampling system 200 amu atmospheric sampling system 300 amu atmospheric sampling system 300 amu atmospheric sampling system	\$8,250 \$9,750 \$250 \$495 \$1,000 \$125 \$100 \$900 \$9,975 \$19,000 \$20,000 \$21,500 \$23,000 \$24,000 \$25,500
MPA120 MPA160 MPA161 O100MPC O100MPS O100P Quartz Crysta QCM200 O100CCB O100FC O100RXO O100RH O100RX1 O100RX3	Melting point apparatus Melting point apparatus for students (100 to 132 VAC, 50 to 60 Hz) Melting point apparatus for students (200 to 250 VAC, 50 to 60 Hz) Capillaries (300 pcs.) Melting point standards Printer with cable and paper (MPA100 only) al Microbalance Includes controller, oscillator, holder and 3 crystals Crystal cleaning basket Flow cell Replacement crystal oscillator electronics module Replacement crystal holder Chrome/gold crystals (qty. 10) Titanium/gold crystals (qty. 10)	\$2,195 \$790 \$790 \$150 \$295 \$595 \$195 \$295 \$395 \$395 \$350 \$350	CIS200 CIS300 02 0100REA 0100EM 0100RFT 0100RFW 0100RIC 0100TDP High Pressur PPR100 PPR200 PPR300 QMS100 QMS200 QMS300 01	200 amu CIS (w/EM, RS-232 cable & software) 300 amu CIS (w/EM, RS-232 cable & software) Built-in power module for AC line operation Ethernet adapter for RGA Replacement electron multiplier Replacement ThO2Ir filament (qty. 2) Replacement tungsten filament (qty. 5) Replacement ionizer kit (with filament) for CIS Turbomolecular pump and diaphragm pump Te Sampling Systems 100 amu process monitoring system 200 amu process monitoring system 300 amu process monitoring system 100 amu atmospheric sampling system 200 amu atmospheric sampling system 300 amu atmospheric sampling system High-vacuum rear port for QMS analyzers	\$8,250 \$9,750 \$250 \$495 \$1,000 \$125 \$100 \$900 \$9,975 \$19,000 \$20,000 \$21,500 \$23,000 \$24,000 \$25,500 \$500
MPA120 MPA160 MPA161 O100MPC O100MPS O100P Quartz Crysta QCM200 O100CCB O100FC O100RXO O100RH O100RX1	Melting point apparatus Melting point apparatus for students (100 to 132 VAC, 50 to 60 Hz) Melting point apparatus for students (200 to 250 VAC, 50 to 60 Hz) Capillaries (300 pcs.) Melting point standards Printer with cable and paper (MPA100 only) al Microbalance Includes controller, oscillator, holder and 3 crystals Crystal cleaning basket Flow cell Replacement crystal oscillator electronics module Replacement crystal holder Chrome/gold crystals (qty. 10)	\$2,195 \$790 \$790 \$150 \$295 \$595 \$195 \$295 \$395 \$395 \$350	CIS200 CIS300 02 0100REA 0100EM 0100RFT 0100RFW 0100RIC 0100TDP High Pressur PPR100 PPR200 PPR300 QMS100 QMS200 QMS300 01 0100REA	200 amu CIS (w/EM, RS-232 cable & software) 300 amu CIS (w/EM, RS-232 cable & software) Built-in power module for AC line operation Ethernet adapter for RGA Replacement electron multiplier Replacement ThO2Ir filament (qty. 2) Replacement tungsten filament (qty. 5) Replacement ionizer kit (with filament) for CIS Turbomolecular pump and diaphragm pump Te Sampling Systems 100 amu process monitoring system 200 amu process monitoring system 300 amu process monitoring system 100 amu atmospheric sampling system 200 amu atmospheric sampling system 300 amu atmospheric sampling system High-vacuum rear port for QMS analyzers Ethernet adapter for RGA	\$8,250 \$9,750 \$250 \$495 \$1,000 \$125 \$100 \$900 \$9,975 \$19,000 \$20,000 \$21,500 \$23,000 \$24,000 \$25,500 \$500 \$495
MPA120 MPA160 MPA161 O100MPC O100MPS O100P Quartz Crysta QCM200 O100CCB O100FC O100RXO O100RX1 O100RX1 O100RX3 O100RX4	Melting point apparatus Melting point apparatus for students (100 to 132 VAC, 50 to 60 Hz) Melting point apparatus for students (200 to 250 VAC, 50 to 60 Hz) Capillaries (300 pcs.) Melting point standards Printer with cable and paper (MPA100 only) al Microbalance Includes controller, oscillator, holder and 3 crystals Crystal cleaning basket Flow cell Replacement crystal oscillator electronics module Replacement crystal holder Chrome/gold crystals (qty. 10) Titanium/gold crystals (qty. 10) Titanium/platinum crystals (qty. 10)	\$2,195 \$790 \$790 \$150 \$295 \$595 \$195 \$295 \$395 \$395 \$350 \$350	CIS200 CIS300 02 0100REA 0100EM 0100RFT 0100RFW 0100RIC 0100TDP High Pressur PPR100 PPR200 PPR300 QMS100 QMS200 QMS300 01 0100REA 0100BV	200 amu CIS (w/EM, RS-232 cable & software) 300 amu CIS (w/EM, RS-232 cable & software) Built-in power module for AC line operation Ethernet adapter for RGA Replacement electron multiplier Replacement ThO2Ir filament (qty. 2) Replacement tungsten filament (qty. 5) Replacement ionizer kit (with filament) for CIS Turbomolecular pump and diaphragm pump Te Sampling Systems 100 amu process monitoring system 200 amu process monitoring system 300 amu process monitoring system 100 amu atmospheric sampling system 200 amu atmospheric sampling system 300 amu atmospheric sampling system High-vacuum rear port for QMS analyzers Ethernet adapter for RGA Bypass valve with orifice (0.01, 0.1, 1.0 or 10 Torr)	\$8,250 \$9,750 \$250 \$495 \$1,000 \$125 \$100 \$900 \$9,975 \$19,000 \$20,000 \$21,500 \$23,000 \$24,000 \$25,500 \$500 \$495 \$3,500
MPA120 MPA160 MPA161 O100MPC O100MPS O100P Quartz Crysta QCM200 O100CCB O100FC O100RXO O100RXO O100RX1 O100RX3 O100RX4 Programmable	Melting point apparatus Melting point apparatus for students (100 to 132 VAC, 50 to 60 Hz) Melting point apparatus for students (200 to 250 VAC, 50 to 60 Hz) Capillaries (300 pcs.) Melting point standards Printer with cable and paper (MPA100 only) al Microbalance Includes controller, oscillator, holder and 3 crystals Crystal cleaning basket Flow cell Replacement crystal oscillator electronics module Replacement crystal holder Chrome/gold crystals (qty. 10) Titanium/gold crystals (qty. 10) Titanium/platinum crystals (qty. 10) Itanium/platinum crystals (qty. 10)	\$2,195 \$790 \$790 \$150 \$295 \$595 \$195 \$295 \$395 \$395 \$350 \$350 \$450	CIS200 CIS300 02 0100REA 0100EM 0100RFT 0100RFW 0100RIC 0100TDP High Pressur PPR100 PPR200 PPR300 QMS100 QMS200 QMS300 01 0100REA 0100BV UGA100	200 amu CIS (w/EM, RS-232 cable & software) 300 amu CIS (w/EM, RS-232 cable & software) Built-in power module for AC line operation Ethernet adapter for RGA Replacement electron multiplier Replacement ThO2Ir filament (qty. 2) Replacement tungsten filament (qty. 5) Replacement ionizer kit (with filament) for CIS Turbomolecular pump and diaphragm pump **Pe Sampling Systems** 100 amu process monitoring system 200 amu process monitoring system 300 amu process monitoring system 100 amu atmospheric sampling system 200 amu atmospheric sampling system 300 amu atmospheric sampling system High-vacuum rear port for QMS analyzers Ethernet adapter for RGA Bypass valve with orifice (0.01, 0.1, 1.0 or 10 Torr) 100 amu analyzer w/ electron multiplier & software	\$8,250 \$9,750 \$250 \$495 \$1,000 \$125 \$100 \$900 \$9,975 \$19,000 \$20,000 \$21,500 \$23,000 \$24,000 \$25,500 \$500 \$495 \$3,500 \$33,950
MPA120 MPA160 MPA161 O100MPC O100MPS O100P Quartz Crysta QCM200 O100CCB O100FC O100RXO O100RH O100RX1 O100RX3 O100RX4 Programmable CTC100	Melting point apparatus Melting point apparatus for students (100 to 132 VAC, 50 to 60 Hz) Melting point apparatus for students (200 to 250 VAC, 50 to 60 Hz) Capillaries (300 pcs.) Melting point standards Printer with cable and paper (MPA100 only) al Microbalance Includes controller, oscillator, holder and 3 crystals Crystal cleaning basket Flow cell Replacement crystal oscillator electronics module Replacement crystal holder Chrome/gold crystals (qty. 10) Titanium/gold crystals (qty. 10) Titanium/platinum crystals (qty. 10) le Temperature Controllers Cryogenic temperature controller	\$2,195 \$790 \$790 \$150 \$295 \$595 \$195 \$295 \$395 \$395 \$395 \$350 \$350 \$450	CIS200 CIS300 02 0100REA 0100EM 0100RFT 0100RFW 0100RIC 0100TDP High Pressur PPR100 PPR200 PPR300 QMS100 QMS200 QMS300 01 0100REA 0100BV UGA100 UGA200	200 amu CIS (w/EM, RS-232 cable & software) 300 amu CIS (w/EM, RS-232 cable & software) Built-in power module for AC line operation Ethernet adapter for RGA Replacement electron multiplier Replacement ThO2Ir filament (qty. 2) Replacement tungsten filament (qty. 5) Replacement ionizer kit (with filament) for CIS Turbomolecular pump and diaphragm pump **Pe Sampling Systems** 100 amu process monitoring system 200 amu process monitoring system 300 amu process monitoring system 100 amu atmospheric sampling system 200 amu atmospheric sampling system 300 amu atmospheric sampling system High-vacuum rear port for QMS analyzers Ethernet adapter for RGA Bypass valve with orifice (0.01, 0.1, 1.0 or 10 Torr) 100 amu analyzer w/ electron multiplier & software 200 amu analyzer w/ electron multiplier & software	\$8,250 \$9,750 \$250 \$495 \$1,000 \$125 \$100 \$900 \$9,975 \$19,000 \$20,000 \$21,500 \$23,000 \$24,000 \$25,500 \$500 \$495 \$3,500 \$33,950 \$34,950
MPA120 MPA160 MPA161 O100MPC O100MPS O100P Quartz Crysta QCM200 O100CCB O100FC O100RXO O100RH O100RX1 O100RX3 O100RX4 Programmable CTC100 O1	Melting point apparatus Melting point apparatus for students (100 to 132 VAC, 50 to 60 Hz) Melting point apparatus for students (200 to 250 VAC, 50 to 60 Hz) Capillaries (300 pcs.) Melting point standards Printer with cable and paper (MPA100 only) al Microbalance Includes controller, oscillator, holder and 3 crystals Crystal cleaning basket Flow cell Replacement crystal oscillator electronics module Replacement crystal holder Chrome/gold crystals (qty. 10) Titanium/gold crystals (qty. 10) Titanium/platinum crystals (qty. 10) le Temperature Controllers Cryogenic temperature controller GPIB interface (replaces RS-232)	\$2,195 \$790 \$790 \$150 \$295 \$595 \$195 \$295 \$395 \$395 \$350 \$350 \$450 \$2,600 \$495	CIS200 CIS300 02 0100REA 0100EM 0100RFT 0100RFW 0100RIC 0100TDP High Pressur PPR100 PPR200 PPR300 QMS100 QMS200 QMS300 01 0100REA 0100BV UGA100 UGA200 UGA300	200 amu CIS (w/EM, RS-232 cable & software) 300 amu CIS (w/EM, RS-232 cable & software) Built-in power module for AC line operation Ethernet adapter for RGA Replacement electron multiplier Replacement ThO2Ir filament (qty. 2) Replacement tungsten filament (qty. 5) Replacement ionizer kit (with filament) for CIS Turbomolecular pump and diaphragm pump **Pe Sampling Systems** 100 amu process monitoring system 200 amu process monitoring system 300 amu process monitoring system 100 amu atmospheric sampling system 200 amu atmospheric sampling system 300 amu atmospheric sampling system High-vacuum rear port for QMS analyzers Ethernet adapter for RGA Bypass valve with orifice (0.01, 0.1, 1.0 or 10 Torr) 100 amu analyzer w/ electron multiplier & software 200 amu analyzer w/ electron multiplier & software 300 amu analyzer w/ electron multiplier & software	\$8,250 \$9,750 \$250 \$495 \$1,000 \$125 \$100 \$900 \$9,975 \$19,000 \$20,000 \$21,500 \$23,000 \$24,000 \$25,500 \$500 \$495 \$3,500 \$34,950 \$36,450
MPA120 MPA160 MPA161 O100MPC O100MPS O100P Quartz Crysta QCM200 O100CCB O100FC O100RXO O100RH O100RX3 O100RX4 Programmabl CTC100 O1 O100CTRM	Melting point apparatus Melting point apparatus for students (100 to 132 VAC, 50 to 60 Hz) Melting point apparatus for students (200 to 250 VAC, 50 to 60 Hz) Capillaries (300 pcs.) Melting point standards Printer with cable and paper (MPA100 only) al Microbalance Includes controller, oscillator, holder and 3 crystals Crystal cleaning basket Flow cell Replacement crystal oscillator electronics module Replacement crystal holder Chrome/gold crystals (qty. 10) Titanium/gold crystals (qty. 10) Titanium/platinum crystals (qty. 10) le Temperature Controllers Cryogenic temperature controller GPIB interface (replaces RS-232) Rack mount tray for CTC100	\$2,195 \$790 \$790 \$150 \$295 \$595 \$195 \$295 \$395 \$395 \$350 \$350 \$450 \$2,600 \$495 \$150	CIS200 CIS300 02 0100REA 0100EM 0100RFT 0100RFW 0100RIC 0100TDP High Pressur PPR100 PPR200 PPR300 QMS100 QMS200 QMS300 01 0100REA 0100BV UGA100 UGA200 UGA300 01	200 amu CIS (w/EM, RS-232 cable & software) 300 amu CIS (w/EM, RS-232 cable & software) Built-in power module for AC line operation Ethernet adapter for RGA Replacement electron multiplier Replacement ThO2Ir filament (qty. 2) Replacement tungsten filament (qty. 5) Replacement ionizer kit (with filament) for CIS Turbomolecular pump and diaphragm pump **Pe Sampling Systems** 100 amu process monitoring system 200 amu process monitoring system 300 amu process monitoring system 100 amu atmospheric sampling system 200 amu atmospheric sampling system 300 amu atmospheric sampling system High-vacuum rear port for QMS analyzers Ethernet adapter for RGA Bypass valve with orifice (0.01, 0.1, 1.0 or 10 Torr) 100 amu analyzer w/ electron multiplier & software 200 amu analyzer w/ electron multiplier & software 300 amu analyzer w/ electron multiplier & software Multi-port (16 ch.) sampling inlet	\$8,250 \$9,750 \$250 \$495 \$1,000 \$125 \$100 \$900 \$9,975 \$19,000 \$20,000 \$21,500 \$23,000 \$24,000 \$25,500 \$500 \$495 \$3,500 \$34,950 \$36,450 \$5,000
MPA120 MPA160 MPA161 O100MPC O100MPS O100P Quartz Crysta QCM200 O100CCB O100FC O100RXO O100RX1 O100RX3 O100RX4 Programmable CTC100 O1 O100CTRM PTC10	Melting point apparatus Melting point apparatus for students (100 to 132 VAC, 50 to 60 Hz) Melting point apparatus for students (200 to 250 VAC, 50 to 60 Hz) Capillaries (300 pcs.) Melting point standards Printer with cable and paper (MPA100 only) al Microbalance Includes controller, oscillator, holder and 3 crystals Crystal cleaning basket Flow cell Replacement crystal oscillator electronics module Replacement crystal holder Chrome/gold crystals (qty. 10) Titanium/gold crystals (qty. 10) Titanium/platinum crystals (qty. 10) Temperature Controllers Cryogenic temperature controller GPIB interface (replaces RS-232) Rack mount tray for CTC100 Programmable temperature controller	\$2,195 \$790 \$790 \$150 \$295 \$595 \$195 \$295 \$395 \$395 \$350 \$350 \$450 \$2,600 \$495 \$150 \$1,495	CIS200 CIS300 02 0100REA 0100EM 0100RFT 0100RFW 0100RIC 0100TDP High Pressur PPR100 PPR200 PPR300 QMS100 QMS200 QMS300 01 0100REA 0100BV UGA100 UGA200 UGA300 01 02	200 amu CIS (w/EM, RS-232 cable & software) 300 amu CIS (w/EM, RS-232 cable & software) Built-in power module for AC line operation Ethernet adapter for RGA Replacement electron multiplier Replacement ThO2Ir filament (qty. 2) Replacement tungsten filament (qty. 5) Replacement ionizer kit (with filament) for CIS Turbomolecular pump and diaphragm pump **Pe Sampling Systems** 100 amu process monitoring system 200 amu process monitoring system 300 amu process monitoring system 100 amu atmospheric sampling system 200 amu atmospheric sampling system 300 amu atmospheric sampling system High-vacuum rear port for QMS analyzers Ethernet adapter for RGA Bypass valve with orifice (0.01, 0.1, 1.0 or 10 Torr) 100 amu analyzer w/ electron multiplier & software 200 amu analyzer w/ electron multiplier & software 300 amu analyzer w/ electron multiplier & software Multi-port (16 ch.) sampling inlet Turbo pump venting port	\$8,250 \$9,750 \$250 \$495 \$1,000 \$125 \$100 \$900 \$9,975 \$19,000 \$20,000 \$21,500 \$23,000 \$24,000 \$25,500 \$300 \$33,950 \$34,950 \$36,450 \$5,000 \$2,500
MPA120 MPA160 MPA161 O100MPC O100MPS O100P Quartz Crysta QCM200 O100CCB O100FC O100RXO O100RX1 O100RX3 O100RX4 Programmabl CTC100 O1 O100CTRM PTC10 O1	Melting point apparatus Melting point apparatus for students (100 to 132 VAC, 50 to 60 Hz) Melting point apparatus for students (200 to 250 VAC, 50 to 60 Hz) Capillaries (300 pcs.) Melting point standards Printer with cable and paper (MPA100 only) al Microbalance Includes controller, oscillator, holder and 3 crystals Crystal cleaning basket Flow cell Replacement crystal oscillator electronics module Replacement crystal holder Chrome/gold crystals (qty. 10) Titanium/gold crystals (qty. 10) Titanium/platinum crystals (qty. 10) Temperature Controllers Cryogenic temperature controller GPIB interface (replaces RS-232) Rack mount tray for CTC100 Programmable temperature controller GPIB interface	\$2,195 \$790 \$790 \$150 \$295 \$595 \$195 \$295 \$395 \$395 \$350 \$350 \$450 \$2,600 \$495 \$150 \$1,495 \$595	CIS200 CIS300 02 0100REA 0100EM 0100RFT 0100RFW 0100RIC 0100TDP High Pressur PPR100 PPR200 PPR300 QMS100 QMS200 QMS300 01 0100REA 0100BV UGA100 UGA200 UGA300 01 02 03	200 amu CIS (w/EM, RS-232 cable & software) 300 amu CIS (w/EM, RS-232 cable & software) Built-in power module for AC line operation Ethernet adapter for RGA Replacement electron multiplier Replacement ThO2Ir filament (qty. 2) Replacement tungsten filament (qty. 5) Replacement ionizer kit (with filament) for CIS Turbomolecular pump and diaphragm pump **Pe Sampling Systems** 100 amu process monitoring system 200 amu process monitoring system 300 amu process monitoring system 100 amu atmospheric sampling system 200 amu atmospheric sampling system 300 amu atmospheric sampling system High-vacuum rear port for QMS analyzers Ethernet adapter for RGA Bypass valve with orifice (0.01, 0.1, 1.0 or 10 Torr) 100 amu analyzer w/ electron multiplier & software 200 amu analyzer w/ electron multiplier & software 300 amu analyzer w/ electron multiplier & software Multi-port (16 ch.) sampling inlet Turbo pump venting port Upgrade turbo pump for high H2 concentrations	\$8,250 \$9,750 \$250 \$495 \$1,000 \$125 \$100 \$900 \$9,975 \$19,000 \$20,000 \$21,500 \$23,000 \$24,000 \$25,500 \$500 \$495 \$3,500 \$34,950 \$36,450 \$5,000 \$2,500 \$6,000
MPA120 MPA160 MPA161 O100MPC O100MPS O100P Quartz Crysta QCM200 O100CCB O100FC O100RXO O100RX1 O100RX3 O100RX4 Programmable CTC100 O1 O100CTRM PTC10 O1 O10RM	Melting point apparatus Melting point apparatus for students (100 to 132 VAC, 50 to 60 Hz) Melting point apparatus for students (200 to 250 VAC, 50 to 60 Hz) Capillaries (300 pcs.) Melting point standards Printer with cable and paper (MPA100 only) al Microbalance Includes controller, oscillator, holder and 3 crystals Crystal cleaning basket Flow cell Replacement crystal oscillator electronics module Replacement crystal holder Chrome/gold crystals (qty. 10) Titanium/gold crystals (qty. 10) Titanium/platinum crystals (qty. 10) Titanium/platinum crystals (qty. 10) Iterpreture Controllers Cryogenic temperature controller GPIB interface (replaces RS-232) Rack mount tray for CTC100 Programmable temperature controller GPIB interface Rack mount kit for PTC10	\$2,195 \$790 \$790 \$150 \$295 \$595 \$195 \$295 \$395 \$395 \$350 \$350 \$450 \$2,600 \$495 \$150 \$1,495 \$595 \$100	CIS200 CIS300 02 0100REA 0100EM 0100RFT 0100RFW 0100RIC 0100TDP High Pressur PPR100 PPR200 PPR300 QMS100 QMS200 QMS300 01 0100REA 0100BV UGA100 UGA200 UGA300 01 02 03 0100HC	200 amu CIS (w/EM, RS-232 cable & software) 300 amu CIS (w/EM, RS-232 cable & software) Built-in power module for AC line operation Ethernet adapter for RGA Replacement electron multiplier Replacement ThO2Ir filament (qty. 2) Replacement tungsten filament (qty. 5) Replacement ionizer kit (with filament) for CIS Turbomolecular pump and diaphragm pump **Pe Sampling Systems** 100 amu process monitoring system 200 amu process monitoring system 300 amu process monitoring system 100 amu atmospheric sampling system 200 amu atmospheric sampling system 300 amu atmospheric sampling system High-vacuum rear port for QMS analyzers Ethernet adapter for RGA Bypass valve with orifice (0.01, 0.1, 1.0 or 10 Torr) 100 amu analyzer w/ electron multiplier & software 200 amu analyzer w/ electron multiplier & software 300 amu analyzer w/ electron multiplier & software Multi-port (16 ch.) sampling inlet Turbo pump venting port Upgrade turbo pump for high H2 concentrations Heated capillary	\$8,250 \$9,750 \$250 \$495 \$1,000 \$125 \$100 \$900 \$9,975 \$19,000 \$20,000 \$21,500 \$23,000 \$24,000 \$25,500 \$500 \$495 \$3,500 \$34,950 \$36,450 \$5,000 \$2,500 \$6,000 \$1,000
MPA120 MPA160 MPA161 O100MPC O100MPS O100P Quartz Crysta QCM200 O100CCB O100FC O100RXO O100RX1 O100RX3 O100RX4 Programmabl CTC100 O1 O100CTRM PTC10 O1 O10RM PTC320	Melting point apparatus Melting point apparatus for students (100 to 132 VAC, 50 to 60 Hz) Melting point apparatus for students (200 to 250 VAC, 50 to 60 Hz) Capillaries (300 pcs.) Melting point standards Printer with cable and paper (MPA100 only) al Microbalance Includes controller, oscillator, holder and 3 crystals Crystal cleaning basket Flow cell Replacement crystal oscillator electronics module Replacement crystal holder Chrome/gold crystals (qty. 10) Titanium/gold crystals (qty. 10) Titanium/platinum crystals (qty. 10) Temperature Controllers Cryogenic temperature controller GPIB interface (replaces RS-232) Rack mount tray for CTC100 Programmable temperature controller GPIB interface Rack mount kit for PTC10 Thermistor/Diode/RTD reader	\$2,195 \$790 \$790 \$150 \$295 \$595 \$195 \$295 \$395 \$395 \$395 \$350 \$350 \$450 \$2,600 \$495 \$1150 \$1,495 \$595 \$100 \$495	CIS200 CIS300 02 0100REA 0100EM 0100RFT 0100RFW 0100RIC 0100TDP High Pressur PPR100 PPR200 PPR300 QMS100 QMS200 QMS300 01 0100REA 0100BV UGA100 UGA200 UGA300 01 02 03 0100HC ULT100	200 amu CIS (w/EM, RS-232 cable & software) 300 amu CIS (w/EM, RS-232 cable & software) Built-in power module for AC line operation Ethernet adapter for RGA Replacement electron multiplier Replacement ThO2Ir filament (qty. 2) Replacement tungsten filament (qty. 5) Replacement ionizer kit (with filament) for CIS Turbomolecular pump and diaphragm pump **Pe Sampling Systems** 100 amu process monitoring system 200 amu process monitoring system 300 amu process monitoring system 100 amu atmospheric sampling system 200 amu atmospheric sampling system 300 amu atmospheric sampling system High-vacuum rear port for QMS analyzers Ethernet adapter for RGA Bypass valve with orifice (0.01, 0.1, 1.0 or 10 Torr) 100 amu analyzer w/ electron multiplier & software 200 amu analyzer w/ electron multiplier & software 300 amu analyzer w/ electron multiplier & software Multi-port (16 ch.) sampling inlet Turbo pump venting port Upgrade turbo pump for high H2 concentrations Heated capillary 100 amu analyzer w/ electron multiplier & software	\$8,250 \$9,750 \$250 \$495 \$1,000 \$125 \$100 \$900 \$9,975 \$19,000 \$20,000 \$21,500 \$23,000 \$24,000 \$25,500 \$500 \$495 \$3,500 \$34,950 \$36,450 \$5,000 \$2,500 \$6,000 \$1,000 \$28,000
MPA120 MPA160 MPA161 O100MPC O100MPS O100P Quartz Crysta QCM200 O100CCB O100FC O100RXO O100RX1 O100RX3 O100RX4 Programmable CTC100 O1 O100CTRM PTC10 O1 O10RM	Melting point apparatus Melting point apparatus for students (100 to 132 VAC, 50 to 60 Hz) Melting point apparatus for students (200 to 250 VAC, 50 to 60 Hz) Capillaries (300 pcs.) Melting point standards Printer with cable and paper (MPA100 only) al Microbalance Includes controller, oscillator, holder and 3 crystals Crystal cleaning basket Flow cell Replacement crystal oscillator electronics module Replacement crystal holder Chrome/gold crystals (qty. 10) Titanium/gold crystals (qty. 10) Titanium/platinum crystals (qty. 10) Titanium/platinum crystals (qty. 10) Iterpreture Controllers Cryogenic temperature controller GPIB interface (replaces RS-232) Rack mount tray for CTC100 Programmable temperature controller GPIB interface Rack mount kit for PTC10	\$2,195 \$790 \$790 \$150 \$295 \$595 \$195 \$295 \$395 \$395 \$350 \$350 \$450 \$2,600 \$495 \$150 \$1,495 \$595 \$100	CIS200 CIS300 02 0100REA 0100EM 0100RFT 0100RFW 0100RIC 0100TDP High Pressur PPR100 PPR200 PPR300 QMS100 QMS200 QMS300 01 0100REA 0100BV UGA100 UGA200 UGA300 01 02 03 0100HC	200 amu CIS (w/EM, RS-232 cable & software) 300 amu CIS (w/EM, RS-232 cable & software) Built-in power module for AC line operation Ethernet adapter for RGA Replacement electron multiplier Replacement ThO2Ir filament (qty. 2) Replacement tungsten filament (qty. 5) Replacement ionizer kit (with filament) for CIS Turbomolecular pump and diaphragm pump **Pe Sampling Systems** 100 amu process monitoring system 200 amu process monitoring system 300 amu process monitoring system 100 amu atmospheric sampling system 200 amu atmospheric sampling system 300 amu atmospheric sampling system High-vacuum rear port for QMS analyzers Ethernet adapter for RGA Bypass valve with orifice (0.01, 0.1, 1.0 or 10 Torr) 100 amu analyzer w/ electron multiplier & software 200 amu analyzer w/ electron multiplier & software 300 amu analyzer w/ electron multiplier & software Multi-port (16 ch.) sampling inlet Turbo pump venting port Upgrade turbo pump for high H2 concentrations Heated capillary	\$8,250 \$9,750 \$250 \$495 \$1,000 \$125 \$100 \$900 \$9,975 \$19,000 \$20,000 \$21,500 \$23,000 \$24,000 \$25,500 \$500 \$495 \$3,500 \$34,950 \$36,450 \$5,000 \$2,500 \$6,000 \$1,000

01	Ion gauge	\$1,500
02	Turbo pump venting port	\$2,500
Gas Analyzer	Accessories	
O100RF	Replacement ThO2Ir filament for RGA	\$200
O100RI	Replacement ionizer kit (with filament) for RGA	\$450
O100EM	Replacement electron multiplier	\$1,000
O100RO	Replacement orifice (0.01, 0.1, 1 or 10 Torr)	\$100
O100BV	Bypass valve with orifice (.01, .1, 1.0 or 10 Torr)	\$3,500
O100PKC	Replacement PEEK capillary (760 Torr)	\$150
O100SSC	Stainless steel capillary (10, 100 or 760 Torr)	\$150
O100RFT	Replacement ThO2Ir filament (qty. 2)	\$125
O100RFW	Replacement tungsten filament (qty. 5)	\$100
O100RIC	Replacement ionizer kit (with filament) for CIS	\$900
O100TDP	Turbomolecular pump and diaphragm pump	\$9,975
O100DPR	Diaphragm pump factory rebuild	\$800
O100DPRK	Rebuild kit for diaphragm pump	\$550
O100TPE	Turbomolecular pump exchange	\$2,500
Ion Gauge Cor	ntroller	
IGC100	Ion gauge controller (with RS-232)	\$1,495
01	GPIB computer interface	\$295
02	Web interface with ethernet connection	\$595
03	Eight-channel process control	\$295
O100IG	Second ion gauge channel	\$295
O100IGRM	Rack mount tray for one or two IGC100s	\$150
O100C1	10 ft. cable for glass, single filament gauges	\$250
O100C1/1	25 ft. cable for glass, single filament gauges	\$395
O100C2	10 ft. cable for glass, dual filament gauges	\$250
O100C2/1	25 ft. cable for glass, dual filament gauges	\$395
O100C3	10 ft. cable for nude gauges	\$250
O100C3/1	25 ft. cable for nude gauges	\$395
O100CA1	Adapter for Micro-Ion gauge	\$100
Bayard-Alpert	Ionization Gauges	
GR-100F	2.75" CF, 1" side tube, single fil., ThO2Ir	\$595
GW-100F	2.75" CF, 1" side tube, dual fil., Tungsten	\$550
NR-F	Nude, bi-filar helix grid, single fil., ThO2Ir	\$650
NR-F-UHV	Nude, closed cage grid, dual fil., ThO2Ir	\$650
NW-F-UHV	Nude, closed cage grid, dual fil., Tungsten	\$650
O100RFADW	Dual tungsten replacement fil. for NW-F-UHV	\$200
O100RFASR	Single ThO2Ir replacement fil. for NR-F	\$150
O100RFADR	Dual ThO2Ir replacement fil. for NR-F-UHV	\$175
Convection En	hanced Pirani Gauges	
PG108	G-P Convectron Pirani gauge, 1/8" NPT	\$200
01	1.33" rotatable CF flange	\$100
02	2.75" rotatable CF flange	\$100
03	16KF	\$100
04	25KF	\$100
05	40KF	\$100
06	1/4" VCR, female	\$100
O108C4	10 ft. cable for PG108, dual gauge	\$150
O108C4/1	25 ft. cable for PG108, dual gauge	\$200

Terms: Net 30 Days. Minimum order is \$275.

Shipping: FOB Sunnyvale, CA 94089. Standard shipment method is UPS ground unless otherwise specified.

Warranty: All instruments, unless otherwise stated, are warranted to be free from all defects in material and workmanship for one year from date of shipment. Chopper motors, computer accessories, diaphragm pumps and rebuilt turbomolecular pumps are warranted for 90 days from the date of shipment.

 $\boldsymbol{Options:}\,$ There is a \$250 retrofit charge to add any internal option to an existing instrument.