



# Stanford Research Systems

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## U.S.A. Price List – September 2016

### Audio Analyzer

SR1	Dual-domain audio analyzer	\$9,400
01	80 MHz digitizer	\$1,500
02	High resolution display	\$600
03	1 ppm TCXO timebase	\$250
04	Precision jitter analysis	\$1,500
O1RM	Rack mount kit for SR1	\$150
O1HC	Handle & front panel cover for SR1	\$300
SR10	Balanced input switcher	\$1,995
SR11	Balanced output switcher	\$1,995
SR12	Unbalanced I/O switcher	\$1,995
OSR10RM	Rack mount kit for SR10, SR11 and SR12	\$100
PERF10	Atomic rubidium audio oscillator	\$3,495
01	12 VDC power input	\$495

### FFT Spectrum Analyzers

SR760	Single-channel FFT spectrum analyzer	\$4,950
SR770	Single-channel FFT spectrum analyzer (w/ source)	\$7,500
0760H	Carrying handle for SR760 and SR770	\$100
0760RM	Rack mount kit for SR760 and SR770	\$100
SR780	Dual-channel dynamic signal analyzer	\$9,950
SR785	Dual-channel dynamic signal analyzer	\$13,950
0780M1	8 MSample memory for SR780 and SR785	\$800
0780RM	Rack mount kit for SR780 and SR785	\$100

### Synthesized Function Generators

DS335	3 MHz function generator	\$1,395
01	GPIO and RS-232 interfaces	\$495
02	2 ppm TCXO timebase	\$350
DS340	15 MHz function/arb generator	\$1,495
01	GPIO & RS-232 interfaces, arb. software	\$495
02	2 ppm TCXO timebase	\$350
DS345	30 MHz function/arb generator	\$1,595
01	GPIO & RS-232 interfaces, arb. software	\$495
02	10 ppb high stability OCXO timebase	\$650
O345RMD	Double rack mount kit for DS3XX	\$100
O345RMS	Single rack mount kit for DS3XX	\$100
DS360	Ultra-low distortion function generator	\$2,895
03	10 MHz reference input for DS360	\$695
O360RM	Rack mount kit	\$100

### RF Signal Generators

SG382	2 GHz signal generator	\$3,900
SG384	4 GHz RF signal generator	\$4,600
SG386	6 GHz signal generator	\$5,900
01	Rear-panel clock outputs (SMA connectors)	\$750
02	8 GHz doubler & DC bias (SG384 or SG386)	\$750
03	External I/Q modulation	\$750
04	Rubidium timebase	\$1,500
RM2U-S	Single rack mount kit	\$100
RM2U-D	Dual rack mount kit	\$100
SG392	2 GHz vector signal generator	\$5,400

SG394	4 GHz vector signal generator	\$6,600
SG396	6 GHz vector signal generator	\$8,400
04	Rubidium timebase	\$1,500
RM2U-S	Single rack mount kit	\$100
RM2U-D	Dual rack mount kit	\$100

### Synthesized Clock Generator

CG635	Synthesized clock generator	\$2,995
01	PRBS w/ comp. LVDS on SMA	\$550
02	OCXO timebase	\$650
03	Rubidium timebase	\$1,650
CG640	CMOS (+5 Vcc) to 100 MHz receiver	\$295
CG641	CMOS (+3.3 Vcc) to 500 MHz receiver	\$295
CG642	CMOS (+2.5 Vcc) to 500 MHz receiver	\$295
CG643	PECL (+5 Vcc) to 2050 MHz receiver	\$295
CG644	PECL (+3.3 Vcc) to 2050 MHz receiver	\$295
CG645	PECL (+2.5 Vcc) to 2050 MHz receiver	\$295
CG646	RF (+7 dBm) to 2050 MHz receiver	\$295
CG647	CML/NIM to 2050 MHz receiver	\$295
CG648	ECL to 2050 MHz receiver	\$295
CG649	LVDS to 2050 MHz receiver	\$295
CG650	All ten receivers (CG640-CG649)	\$2,495
O635RMD	Double rack mount kit	\$100
O635RMS	Single rack mount kit	\$100

### Frequency Standards / Oscillators

FS725	Benchtop rubidium frequency standard	\$2,795
01	Distribution amplifier - 6 additional outputs	\$495
02	Distribution amplifier - 12 additional outputs	\$995
03	Distribution amplifier - 18 additional outputs	\$1,495
O725RMD	Double rack mount kit for FS725	\$100
O725RMS	Single rack mount kit for FS725	\$100
FS730	Seven-channel distribution amplifier	Call
RM1U	1U dual rack mount	\$100
FS735	Fourteen-channel distribution amplifier	Call
PRS10	10 MHz rubidium oscillator	\$1,495
PRBB	Breakout connector board	\$150
PRPS	24 VDC switching power supply	\$150
PRHS	Benchtop heat sink	\$100
PRMC	D-type mating connector	\$50
SC10	10 MHz ovenized oscillator (base price, qty.100)	\$350
FS710	10 MHz AGC distribution amplifier (7 channel)	\$1,100

### Time Interval and Frequency Counters

SR620	Time interval/frequency counter (w/ rack mount)	\$4,950
01	2 ppb high stability OCXO timebase	\$950
SR625	SR620 w/ rubidium timebase (w/ rack mount)	\$6,950

### LCR Meters

SR715	10 kHz LCR meter (with RS-232)	\$1,295
SR720	100 kHz meter (RS232, GPIO & Handler interface)	\$1,495
SR726	Kelvin clips	\$500

SR727	Surface mount tweezers	\$300
SR728	Four-wire BNC adapter	\$300
O727RT	2 pairs of replacement tips for SR727	\$100
O715RAA	Replacement axial adapters (2 pair)	\$100
O715RRF	Replacement radial fixture	\$100

### Dual Channel Programmable Filters

SR640	Two-channel low pass filter (w/ rack mount)	\$3,295
SR645	Two-channel high pass filter (w/ rack mount)	\$3,295
SR650	One high, one low pass filter (w/ rack mount)	\$3,295
01	High current output for SR6XX filters	\$200

### Thermocouple Monitor

SR630	16-channel thermocouple monitor	\$1,495
O630KF1	K-type thermocouples, 5 ft., fiberglass, qty. 5	\$100
O630KF2	K-type thermocouples, 10 ft., fiberglass, qty. 5	\$100
O630KT1	K-type thermocouples, 5 ft., teflon, qty. 5	\$100
O630KT2	K-type thermocouples, 10 ft., teflon, qty. 5	\$100
O630RMD	Double rack mount kit	\$100
O630RMS	Single rack mount kit	\$100

### Digital Delay / Pulse Generator

DG645	Four-channel digital delay generator	\$4,295
01	Eight delay channels (5 V)	\$950
02	Eight delay channels (30 V)	\$950
03	Combinatorial outputs	\$950
04	OCXO timebase	\$950
05	Rubidium timebase	\$1,650
O645RMS	Single rack mount kit	\$100
O645RMD	Dual rack mount kit	\$100
SRD1	Fast rise time module (100 ps)	\$250
DG535	Digital delay / pulse generator (with GPIB)	\$4,195
02	+/-32 volt rear panel outputs	\$650
03	1 ppm TCXO timebase	\$350
06	Trigger inhibit input	\$250
SRD1	Fast rise time module (100 ps)	\$250
/4B	100 ps fall time module	\$250
/4C	Bias Tee (used with opt. 02 & O4A or O4B)	\$100
/5	Dual rack mount tray	\$150
DB64	Coax delay box	\$695
RM1U	1U dual rack mount	\$100

### Gated Integrators / Boxcar Averagers (NIM Modules)

SR200	Gate scanner for SR250 and SR255	\$1,000
SR235	Analog math processor	\$1,500
SR240A	350 MHz preamplifier (4 channel)	\$1,000
SR245	Computer interface (GPIB and RS-232)	\$1,500
SR250	Gated integrator	\$2,990
SR255	Fast sampler	\$2,990
SR272	Data acquisition Windows software	\$500
SR275	Display module (without power supply)	\$800
SR280	NIM mainframe & display (with power supply)	\$2,000

### Lock-In Amplifiers

SR510	Single phase lock-in (w/ RS-232 & rack mount)	\$2,495
SR530	Dual phase lock-in (w/ RS-232 & rack mount)	\$2,995
01	GPIB computer interface	\$995
02	Internal oscillator	\$995
SR810	DSP single phase lock-in (with rack mount)	\$4,150
SR830	DSP dual phase lock-in (with rack mount)	\$4,950
SR860	500 kHz lock-in amplifier (with rack mount)	\$6,495
SR865	2 MHz lock-in amplifier (with rack mount)	\$7,950
SR844	200 MHz lock-in (with rack mount)	\$8,450
SR850	DSP dual phase lock-in (with rack mount)	\$8,950
O850H	Carrying handle kit	\$100
SR124	200 kHz analog lock-in amplifier	\$6,950

SX199	Remote interface unit for SR124 (w/ 3 m fiber cable)	\$1,095
O100SX	3 meter fiber optic cable for SX199	\$75
O100SXL	10 meter fiber optic cable for SX199	\$100

### Preamplifiers

SR560	Low-noise voltage preamplifier	\$2,595
SR570	Low-noise current preamplifier	\$2,595
O560RMD	Double rack mount kit for SR5XX	\$100
O560RMS	Single rack mount kit for SR5XX	\$100
O560SB	Spare battery set (3 batteries) for SR5XX	\$200
SR445A	350 MHz preamplifier (4 ch.)	\$1,200
RM1U	1U dual rack mount	\$100
SR550	JFET lock-in voltage preamplifier	\$750
SR552	BJT lock-in voltage preamplifier	\$750
SR554	Lock-in transformer preamplifier	\$1,200
SR555	Current preamplifier (10 V/ $\mu$ A)	\$1,095
SR556	Current preamplifier (1 V/nA)	\$1,095

### Voltage Controlled Current Source

CS580	Voltage controlled I-source (w/ 6 ft. Triax cable)	\$2,495
O100TX	6 ft. replacement Triax cable	\$250

### Optical Chopper

SR540	Optical chopper (with 5/6 and 25/30 slot blades)	\$1,195
O5402530	25/30 dual-slot replacement blade	\$50
O54030	30-slot replacement blade	\$50
O5405	5-slot replacement blade	\$50
O54056	5/6 dual-slot replacement blade	\$50
O540RCH	Replacement chopper head	\$350

### Laser Shutter

SR470	Shutter controller	\$1,395
SR474	4-ch. shutter driver	\$1,395
O470RMS	Single rack mount kit for SR470 and SR474	\$100
O470RMD	Double rack mount kit for SR470 and SR474	\$100
SR475	Shutter head (100 Hz)	\$595
SR476	Shutter head (125 Hz)	\$595

### Laser Diode Controller

LDC500	Laser diode controller (w/ temperature controller)	\$2,495
LDC501	Laser diode controller (w/ temperature controller)	\$2,495
LDC502	Laser diode controller (w/ temperature controller)	\$2,795
O500RM	Dual rack mount tray for LDC500 and LDC501	\$150
O500C1	6' laser diode cable with flying leads	\$150
O500C2	6' TEC cable with flying leads	\$150
O500C3	6 foot laser diode cable with mating D connector	\$150
O500C4	6 foot TEC cable with mating D connector	\$150
O500C5	12' laser diode cable with mating D connector	\$150
O500C6	12' TEC cable with mating D connector	\$150

### High Voltage Power Supplies

PS310	1.25 kV DC power supply, 25 W	\$1,495
PS325	2.5 kV DC power supply, 25 W	\$1,495
PS350	5.0 kV DC power supply, 25 W	\$1,495
01	GPIB interface for PS310, PS325 & PS350	\$595
/2D	Double rack mount kit (PS310, PS325, PS350)	\$100
/2S	Single rack mount kit (PS310, PS325, PS350)	\$100
/3A	SHV to SHV cable, 10 ft. (PS310, PS325, PS350)	\$150
/3B	SHV to MHV cable, 10 ft. (PS310, PS325, PS350)	\$150
PS355	-10 kV supply with GPIB and RS-232	\$2,595
PS365	+10 kV supply with GPIB and RS-232	\$2,595
/3C	10 kV-SHV to open-ended cable, 10 ft.	\$495
/3D	10 kV-SHV to 10 kV-SHV cable, 10 ft.	\$695
PS370	-20 kV supply with GPIB and RS-232	\$2,595
PS375	+20 kV supply with GPIB and RS-232	\$2,595
/3E	20 kV-SHV to open-ended cable, 10 ft.	\$795

/3F	20 kV-SHV to 20 kV-SHV cable, 10 ft.	\$895
O300RMD	Double rack mount kit (PS355, PS365, PS370,PS375)	\$100
O300RMS	Single rack mount kit (PS355, PS365, PS370, PS375)	\$100

### Small Instrumentation Modules (SIM)

SIM900	Mainframe with RS-232 computer interface	\$1,295
01	GPIB computer interface	\$495
O900RM	Rack mount kit for SIM900	\$100
SIM910	JFET preamplifier	\$1095
SIM911	BJT preamplifier	\$1095
SIM914	350 MHz preamplifier	\$1095
SIM918	Precision current preamplifier	\$1,395
SIM921	AC resistance bridge	\$2,495
SIM922	Diode temperature monitor	\$995
SIM922A	Diode temperature monitor with analog output	\$995
SIM923	Platinum RTD monitor	\$995
SIM923A	Platinum RTD monitor with analog output	\$995
SIM925	Octal 4-wire multiplexer	\$990
SIM928	Rechargeable isolated voltage source	\$1,195
O928RBA	Replacement battery assembly	\$250
SIM940	Rubidium frequency standard	\$1,995
SIM954	Dual-channel 300 MHz inverting amplifier	\$1,195
SIM960	100 kHz analog PID controller	\$1,750
SIM964	1 MHz analog limiter	\$995
SIM965	Bessel and Butterworth filter	\$1,195
SIM970	Four-channel digital voltmeter	\$1,495
SIM980	Analog summing amplifier	\$1,095
SIM983	Scaling amplifier	\$1,095
SIM984	Isolation amplifier	\$1,095
SIM9B1	Blank single-wide SIM module	\$150
SIM9B2	Blank double-wide SIM module	\$225

### Photon Counters

SR400	Dual-channel photon counter (w/ rack mount)	\$5,350
SR430	Multichannel scaler / averager (with rack mount)	\$7,950
SR445A	350 MHz preamplifier (4 ch.)	\$1,200
O430H	Carrying handle kit	\$100

### Melting Point Apparatus

MPA100	Melting point apparatus (with USB & software)	\$2,795
MPA120	Melting point apparatus	\$2,195
MPA160	Melting point apparatus for students	\$870
O100MPC	Capillaries (300 pcs.)	\$150
O100MPS	Melting point standards	\$395
O100P	Printer with cable and paper (MPA100 only)	\$595

### Quartz Crystal Microbalance

QCM200	Includes controller, oscillator, holder and 3 crystals	\$2,995
O100CCB	Crystal cleaning basket	\$250
O100FC	Flow cell	\$395
O100RXO	Replacement crystal oscillator electronics module	\$395
O100RH	Replacement crystal holder	\$395
O100RX1	Chrome/gold crystals (qty. 10)	\$495
O100RX3	Titanium/gold crystals (qty. 10)	\$495
O100RX4	Titanium/platinum crystals (qty. 10)	\$695

### Programmable Temperature Controllers

CTC100	Cryogenic temperature controller	\$2,600
01	GPIB interface (replaces RS-232)	\$495
O100CTRM	Rack mount tray for CTC100	\$150
PTC10	Programmable temperature controller	\$1,495
01	GPIB interface	\$595
O10RM	Rack mount kit for PTC10	\$100
PTC320	Thermistor/Diode/RTD reader	\$595
PTC321	4-ch. Pt RTD card	\$595
PTC322	4-ch. Pt RTD card (single slot only)	\$595

PTC323	2 channel thermistor/diode/RTD	\$850
PTC330E	4-ch. E-type thermocouple card	\$595
PTC330J	4-ch. J-type thermocouple card	\$595
PTC330K	4-ch. K-type thermocouple card	\$595
PTC330N	4 channel N-type thermocouple reader	\$595
PTC330T	4-ch. T-type thermocouple card	\$595
PTC420	600 W AC output card	\$495
PTC430	50 W DC output card	\$495
PTC431	100 W DC output card	\$750
PTC440	TEC driver	\$495

### Nitrogen Laser

NL100	Nitrogen laser	\$4,950
01	Optional sync-out pulse	\$250
O100RC	Replacement laser cartridge	\$3,300

### Potentiostat / Galvanostat

EC301	30 V / 1 A potentiostat / galvanostat	\$7,990
O100BST	5 amp (100 W) power booster for EC301	\$950
O200BST	10 amp (200 W) power booster for EC301	\$1,950
O400BST	20 amp (400 W) power booster for EC301	\$3,950

### Binary Gas Analyzer

BGA244	Process gas analyzer (w/ 1/8 inch female NPT)	\$3,950
BGA244E	BGA244 in IP-67 rated enclosure (w/ 1/8 inch NPT)	\$4,350
BGA244HP	Process gas analyzer (w/ welded 1/4 inch male VCR)	\$4,700
BGA-24	Universal +24 V power supply	\$100
BGA-S	Acrylic shield to protect display	\$50
BGA-M	Metal cover to replace display	\$50

### Residual Gas Analyzers

RGA100	100 amu RGA (with RS-232 cable & software)	\$3,750
RGA200	200 amu RGA (with RS-232 cable & software)	\$4,750
RGA300	300 amu RGA (with RS-232 cable & software)	\$6,250
01	Electron multiplier (EM)	\$1,500
02	Built-in power module for AC line operation	\$250
03	Ion counting output (must have opt. 01)	\$250
O100HJRW	Heater jacket for RGAs (120 VAC & 220 VAC)	\$995
O100MAX	Maximum insertion nipple with 4.5" flange	\$695
O100EM	Replacement electron multiplier	\$1,100
O100RI	Replacement ionizer kit (with filament) for RGA	\$500
O100REA	Ethernet adapter for RGA	\$495
O100RF	Replacement ThO2Ir filament for RGA	\$250
PPM100	Optional stand-alone monitor for RGA	\$2,995

### Closed Ion Source Gas Analyzers

CIS100	100 amu CIS (w/EM, RS-232 cable & software)	\$7,250
CIS200	200 amu CIS (w/EM, RS-232 cable & software)	\$8,250
CIS300	300 amu CIS (w/EM, RS-232 cable & software)	\$9,750
02	Built-in power module for AC line operation	\$250
O100REA	Ethernet adapter for RGA	\$495
O100EM	Replacement electron multiplier	\$1,100
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	\$10,975

### High Pressure Sampling Systems

PPR100	100 amu process monitoring system	\$19,000
PPR200	200 amu process monitoring system	\$20,000
PPR300	300 amu process monitoring system	\$21,500
QMS100	100 amu atmospheric sampling system	\$23,000
QMS200	200 amu atmospheric sampling system	\$24,000
QMS300	300 amu atmospheric sampling system	\$25,500
01	High-vacuum rear port for QMS analyzers	\$500
O100REA	Ethernet adapter for RGA	\$495

O100BV	Bypass valve with orifice (0.01, 0.1, 1.0 or 10 Torr)	\$3,500
UGA100	100 amu analyzer w/ electron multiplier & software	\$33,950
UGA200	200 amu analyzer w/ electron multiplier & software	\$34,950
UGA300	300 amu analyzer w/ electron multiplier & software	\$36,450
01	Multi-port (16 ch.) sampling inlet	\$5,000
02	Turbo pump venting port	\$2,500
03	Upgrade turbo pump for high H2 concentrations	\$6,000
O100HC	Heated capillary	\$1,300
ULT100	100 amu analyzer w/ electron multiplier & software	\$28,000
ULT200	200 amu analyzer w/ electron multiplier & software	\$29,000
ULT300	300 amu analyzer w/ electron multiplier & software	\$30,500
01	Ion gauge	\$1,500
02	Turbo pump venting port	\$2,500

### Gas Analyzer Accessories

O100RF	Replacement ThO2Ir filament for RGA	\$250
O100RI	Replacement ionizer kit (with filament) for RGA	\$500
O100EM	Replacement electron multiplier	\$1,100
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
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 Controller

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
O100C110	10 ft. cable for glass, single filament gauges	\$275
O100C125	25 ft. cable for glass, single filament gauges	\$300
O100C210	10 ft. cable for glass, dual filament gauges	\$275
O100C225	25 ft. cable for glass, dual filament gauges	\$300
O100C310	10 ft. cable for nude gauges	\$275
O100C325	25 ft. cable for nude gauges	\$300
O100CA1	Adapter for Micro-Ion gauge	\$100

### Bayard-Alpert Ionization Gauges

GR-100F	2.75" CF, 1" side tube, single fil., ThO2Ir	\$400
GW-100F	2.75" CF, 1" side tube, dual fil., Tungsten	\$400
NR-F	Nude, bi-filar helix grid, single fil., ThO2Ir	\$540
NR-F-UHV	Nude, closed cage grid, dual fil., ThO2Ir	\$550
NW-F-UHV	Nude, closed cage grid, dual fil., Tungsten	\$570
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 Enhanced Pirani Gauges

PG108	G-P Convection Pirani gauge, 1/8" NPT	\$200
01	1.33" rotatable CF flange	\$75
02	2.75" rotatable CF flange	\$75
03	16KF	\$75
04	25KF	\$75
05	40KF	\$75
06	1/4" VCR, female	\$75
O108C410	10 ft. cable for PG108, dual gauge	\$125
O108C425	25 ft. cable for PG108, dual gauge	\$175