

DOMESTIC PRICE LIST

July 2009

International Prices through distributors may be upto 15% higher

NEAR INFRA-RED OPTICAL SPECTROMETERS

PART NUMBER	PRICE
1. NIR-128L-1.7TS-USB	\$5,995.00
2. NIR-128L-1.7T1-USB	\$8,995.00
3. NIR-256L-1.7T1:Δ25-ISA or USB	\$12,595.00
4. NIR-512L-1.7T1:Δ25-ISA or USB	\$15,745.00
5. NIR-256L-2.2T2:Δ32-ISA or USB	\$20,995.00

Spectrometers and pricing are based on five NIR arrays offered.

- 128 element, temperature stabilized standard InGaAs Array. Spectral response up to 1700nm. Standard spectral range is 900nm to 1700nm with 6.25nm/pixel linear dispersion. Available as stand alone with USB interface only.
- 128 element, T.E. cooled standard InGaAs Array. Spectral response up to 1700nm. Standard spectral range is 900nm to 1700nm with 6.25nm/pixel linear dispersion. Available as stand alone with USB interface only.
- 256 element, T.E. cooled standard InGaAs Array. Spectral response up to 1700nm. Standard spectral range is 900nm to 1700nm with 3.125nm/pixel linear dispersion. Δ25 refers to cooling of 25°C from ambient.
- 512 element, T.E. cooled standard InGaAs Array. Spectral response up to 1700nm. Standard spectral range is 900nm to 1700nm with 1.56nm/pixel linear dispersion. Δ25 refers to cooling of 25°C from ambient.
- 256 element, dual stage T.E. cooled extended InGaAs Array. Spectral response up to 2200nm. Standard spectral range is 1100nm to 2200nm with 4.3nm/pixel linear dispersion. Δ32 refers to cooling of 32°C from ambient.

Standard Configuration:

Input Fiber: 400 micron core Low OH

Slit Size: 25 micron on 512 element. 50 micron on 128 & 256 element (also available 100 micron).

HIGH SENSITIVITY UV-VIS-NIR OPTICAL SPECTROMETERS - 2DMPP, Thinned, Back Illuminated T.E. Cooled Two Dimensional Arrays ENHANCED UV AND NIR RESPONSE

PART NUMBER	PRICE
1. 2DCCD-512 X64-USB	\$7,995.00
2. 2DCCD-1024 X64-USB	\$9,695.00

Please specify spectral range, input fiber configuration, and slit size when ordering.

Spectral Range Available: 200nm to 1100nm.

Standard Configuration:

Input Fiber: 400 micron core Low OH or High OH (available multifiber bundles)

Slit Size: 25 micron (also available 50 and 100 micron)

CONTROL
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OPTICAL SPECTROMETERS - SILICON PDA

PART NUMBER	PRICE
1. PDA-512-USB or ISA	\$3,495.00

Spectrometers and pricing are based on a scientific grade Hamamatsu 512 element photo-diode array.

Please specify spectral range and slit size when ordering.

Spectral Range Available: 200nm to 1100nm.

Following are some standard spectral ranges:

200nm – 800nm

380nm – 900nm

380nm – 1100nm

600nm – 1100nm

Standard Configuration:

Input Fiber: 400 micron core Low OH or High OH

Slit Size: 25 micron (also available 50 and 100 micron)

RAMAN SPECTROSCOPY SYSTEMS

PART NUMBER	DESCRIPTION	PRICE
1. R785-1024	785nm 300mWatt Diode Laser, RPS785 Fiber Probe, 1024 element back-thinned 2DCCD, and Windows based application s/w	\$23,500.00

SOFTWARE

PART NUMBER	DESCRIPTION	PRICE
1. LAB VIEW DRIVER-32 Bit	National Instruments, Sub Virtual Instrument Node for Windows 95, 98 or NT	Free*
2. My Instruments	Active X interface for GRAMS. Run all Spectrometers from GRAMS	Free*
3. WINDOWS DLL-32 Bit	Driver Function Library for Windows 95, 98, or NT	Free*
4. Grams/AI 8	Chemometric Software Lab Pack	\$2,095.00
5. PLSplus/IQ	Chemometrics Toolbox	\$625.00

CDI Spec 32 software is included free with every spectrograph.

* With purchase of a spectrometer

LIGHT SOURCES

PART NUMBER	DESCRIPTION	PRICE
1. THL	Tungsten Halogen Source, Fan cooled, 900 hr bulb	\$835.00
2. THL-S	Tungsten Halogen Source with Shutter, Fan cooled, 900 hr bulb	\$1,149.00
3. THL-B	Replacement bulb	\$78.00
4. TH/DR	35 Watt Tungsten Halogen Light Source with Diffuse Reflector	\$787.00
5. STABLAMP	Tungsten Light Source with Optical feedback, sample cell	\$1,885.00
6. DLT-5W-SMA	Dual Tungsten Light Source with fiber pick-up port	\$939.00
7. TH-U2	Light source for USB spectrometers	\$995.00

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OPTICAL SPECTROGRAPH ACCESSORIES

PART NUMBER	DESCRIPTION	PRICE
1. ADP-SMA-SMA	Adapter, '905 SMA' TO '905 SMA'	\$40.00
2. FL99W-2.0	Standard white reflectance plate, 50mm dia. Material: Fluorilon	\$450.00
3. TH-DR-FIXT	Fixture to hold 35 Watt Light Source, pickup lens and fiber	\$625.00

FIBER OPTIC CABLES

PART NUMBER	DESCRIPTION	PRICE
1. FOC-400-SMA-3M UV	Cable, Fiber Optic, 400 μ m Core, 3 M, 'SMA' Termination	\$205.00
2. FOC-500-SMA-2M VIS-NIR	Armored Cable, Fiber Optic, 500 μ m Core, 2 M, 'SMA' Termination	\$205.00

Fiber optic cables listed above are stock items. Custom lengths also available.

FIBER OPTIC PROBES

LABORATORY PROBES AND ACCESSORIES

PART NUMBER	DESCRIPTION	PRICE
1. RPS-Inphotonics	Confocal imaging fiber Raman Probe with built-in filtering	\$5,245.00
2. RPB-Inphotonics	Confocal imaging fiber Laboratory Raman Probe with built-in filtering	\$3,145.00
3. SF-SMA/SMA	Reflectance Sample Fixture	\$300.00
4. SMA-LENS-F	Fiber Optic Focusing lens with SMA Termination	\$565.60
5. SMA-LENS-LAF	Large Aperture Fiber Optic Focusing Lens with SMA Termination	\$355.00
6. PROBE-7-400-SMA	Probe, 400 Micron Fibers, 6 Illum, 1 Pick-up, For UV/VIS or VIS/NIR	\$1,045.00
7. FDP-7xx400-2-VAR-ME	Transmission Dip Probe with variable path length (0.5mm-20mm)	\$1,675.00
8. CUV-UV/VIS	Cuvette holder with collimating optics	\$519.00
9. PNIR-1000	Self Referencing Probe	\$6,995.00
10. SS-100	Stainless Steel Probe Holder	\$1,995.00

PROBES FOR PROCESS ENVIRONMENT

PART NUMBER	DESCRIPTION	PRICE
1. P-ATR	Attenuated Total Reflection Probe, 3 bounce, 1.5 micron path length -50°C to 300°C, 1200 psi, Sapphire Crystal, Kalrez O-Rings	\$4,950.00*
2. P-TC	Transmission Cell, High Throughput, Fixed Path Lengths: 1, 10, 20, 50 & 100mm, -50°C to 300°C, 3000 psi, Kalrez O-Ring Seals	\$3,915.00*
3. P-MFC	Micro Flow Cell, Fixed Path Lengths: 1 to 40mm -40°C to 150°C, 5000 psi, Kalrez O-Ring Seals	\$3,110.00*
4. P-RR	Retro-Reflection Probe, Fixed Path Lengths: 2, 5, 10, 20 & 50mm, -50°C to 300°C, 3000 psi	\$2,475.00*
5. P-FRR	Filtered Retro-Reflection Probe, Fixed Path Lengths: 2, 5, 10, 20 & 50mm. Sintered Metal Tip, 0.5 micron pore -50°C to 300°C, 3000 psi, Kalrez O-Ring Seals	\$3,795.00*
6. P-DIP	High Throughput Probe, Fixed Path Lengths: 2, 5, 10, 20mm -50°C to 220°C, 250 psi	\$1,510.00*

Specify spectral range. * Prices subject to change; please ask for current quote.



Additional Probes Available: Cross Flow Cells, ATR probes and Folded Gas Cells. Call for price, availability, and description.

UPGRADES

PART NUMBER	DESCRIPTION	PRICE
1. U-MPP-USB	Upgrade an MPP from PCI, ISA, or PCMCIA to USB	\$595.00
2. U-IFKIT-USB	Upgrade an Interface Kit from PCI, ISA, or PCMCIA to USB	\$595.00
3. U-ISA	Upgrade any ISA card spectrometer to USB	\$1,045.00
4. USB1-USB2	Upgrade USB1 card spectrometer to USB2	\$1,045.00

INTERNAL LINE CALIBRATION

PART NUMBER	DESCRIPTION	PRICE
1. AC1	Internal line calibration source for automatic wavelength calibration when ordered with spectrometer	\$625.00
2. AC2	Upgrade an existing spectrometer with the Internal Line calibration source	\$1,145.00

Please note, all prices are subject to change

Discount Schedule

Discounts are based on taking delivery over a 12-month period.

Schedule for PDA-ISA or USB, NIR-128L-1.7TS-USB, and NIR-128L-1.7T1-USB:

<u>Qty</u>	<u>Discount</u>
10-20	5%
21-30	10%
31-50	15%
51-75	20%
76-100	25%

Schedule for all other spectrometers, excluding Raman Systems:

<u>Qty</u>	<u>Discount</u>
2-10	5%
11-20	10%
21-30	15%
31-50	20%
51-75	25%
76-100	30%

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