

# DOMESTIC PRICE LIST

# 2012

International Prices through distributors may be upto 15% higher

## NEAR INFRA-RED OPTICAL SPECTROMETERS

MODEL NUMBER	PRICE
1. NIR-128-1.7TS-USB2	\$5,995.00
2. NIR-128-1.7T1-USB2	\$8,995.00
3. NIR-256-1.7T1-ISA or USB2	\$11,995.00
4. NIR-512-1.7T1-ISA or USB	\$14,995.00
5. NIR-256-2.2T2-ISA or USB2	\$20,995.00

Add -AC1 for AutoCal option

Spectrometers and pricing are based on five NIR arrays offered.

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. NIR arrays can have up to 2% dropout pixels.

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 and 200 micron).

## HIGH SENSITIVITY UV-VIS-NIR OPTICAL SPECTROMETERS - 2DCCD

MODEL NUMBER	PRICE
1. 2DCCD-512 X64-USB2	\$7,995.00
2. 2DCCD-1024 X64-USB2	\$9,695.00

Add -AC1 for AutoCal option

Thinned, back illuminated T.E. cooled two dimensional arrays, enhanced uv and nir response

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)

## OPTICAL SPECTROMETERS - SILICON PDA

MODEL NUMBER	PRICE
1. PDA-512-TS- ISA or USB2	\$3,495.00

Add -AC1 for AutoCal option

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, custom ranges available:

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

MODEL 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

MODEL 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 9	Chemometric Software Lab Pack	\$2,195.00**
5. PLSplus/IQ	Chemometrics Toolbox	\$995.00**

CDI Spec 32 software is included free with every spectrograph.

\* With purchase of a spectrometer, \*\* price subject to change

## LIGHT SOURCES

MODEL 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

## OPTICAL SPECTROGRAPH ACCESSORIES

MODEL 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

Control Development, Inc.  
 2633 Foundation Drive, South Bend, IN 46628  
 Phone: (574) 288-7338 Fax: (574) 288-7339  
 www.controldevelopment.com



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

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

### PROBES FOR PROCESS ENVIRONMENT

MODEL 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

MODEL NUMBER	DESCRIPTION	PRICE
1. U-2DCCD-USB	Upgrade a 2DCCD from PCI, ISA, or PCMCIA to USB2	\$1,095.00
2. U-ISA	Upgrade any ISA card spectrometer to USB2	\$1,045.00
3. USB1-USB2	Upgrade USB1 card spectrometer to USB2	\$1,045.00

## INTERNAL LINE CALIBRATION

MODEL 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*