

Group Number: 38700
 Contact Number: PC63711
 Award Number: 20767

LOT Number	Part Number	Description	Manufacturer	UNIT	Catalog Page	List Price	Discount Being Bid	5% of column H
II	0A005	<p>QDI 2010 UV-visible-NIR Microspectrophotometer with DirecVu</p> <p>Base system for collecting UV-visible-NIR range spectra from microscopic samples.</p> <p>Includes:</p> <ul style="list-style-type: none"> · Scientific grade microscope with UV-visible-NIR range optics · Microscope-spectrophotometer integration optics and hardware for spectrophotometer package (selected separately). · True digital high resolution color imaging system (selected separately) · DirecVu: Phototube and eyepieces to directly visualize samples · Pentium 4 computer running Windows · Computer includes CD-RW, Ethernet, Firewire, USB · Flat panel computer monitor · Software and hardware are Y2K compliant <p>Must also select Instrument Control Software, Spectrophotometer Package, Digital Imaging Package, Objectives and Stage.</p>	CRAIC	QDI 2010	Catalog not available	\$56,864.50	5.00%	\$54,021.28
II	0A015	<p>Programmable XY Stage with Calipers</p> <ul style="list-style-type: none"> · Hard wearing surface · Integrated software control · Stage required for instrument operation 	CRAIC	All Units	Catalog not available	\$24,194.50	5.00%	\$22,984.78
II	0A020	<p>Transmission UV-visible-NIR Microspectroscopy Package</p> <ul style="list-style-type: none"> · UV-visible-NIR range Transmission Optics · UV-visible-NIR light sources with alignment mechanisms · Stabilized and regulated power supplies · Software for transmission microspectroscopy 	CRAIC	QDI 2010	Catalog not available	\$25,404.23	5.00%	\$24,134.02
II	0A030	<p>Reflectance UV-visible-NIR Microspectroscopy Package</p> <ul style="list-style-type: none"> · UV-visible-NIR range Incident Illumination Optics · UV-visible-NIR light sources with alignment mechanisms · Stabilized and regulated power supplies · Software for reflectance microspectroscopy 	CRAIC	QDI 2010	Catalog not available	\$25,404.23	5.00%	\$24,134.02
II	0A045	<p>Fluorescence Microspectroscopy Package</p> <ul style="list-style-type: none"> · Excitation at 365, 405 and 546 nm · 400-900 nm spectral range · UV-visible-NIR range Fluorescence Optics · UV-visible-NIR light sources with alignment mechanisms · Stabilized and regulated power supplies · Software for fluorescence microspectroscopy 	CRAIC	QDI 2010	Catalog not available	\$24,133.73	5.00%	\$22,927.04
II	0A065	<p>HR UV-Visible-NIR Range Spectrophotometer Package</p> <ul style="list-style-type: none"> · High Resolution Microspectroscopy · High density CCD array for high resolution · Spectrometer spectral range of 200 to 1000 nm (with appropriate light sources & optics) · Data transfer rates of 4 milliseconds per spectrum · Optional: TE cooled for improved stability and decreased dark counts · Includes spectrophotometer, interface optics, electronics, software 	CRAIC	All Units	Catalog not available	\$20,564.50	5.00%	\$19,536.28

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II	0A070	RS UV-Visible-NIR Range Spectrophotometer Package · Rapid Scan Microspectroscopy · Data transfer rates of 4 milliseconds per spectrum · Spectrometer spectral range of 240 to 900 nm (with appropriate light sources & optics) · Option: TE cooled for improved stability and decreased dark counts · Includes spectrophotometer, interface optics, electronics, software	CRAIC	QDI 302	Catalog not available	\$12,094.50	5.00%	\$11,489.78
II	0A075	HS UV-Visible-NIR Range Spectrophotometer Package · High Sensitivity Microspectroscopy · Back-thinned deep-well CCD array · Enhanced UV sensitivity · Spectrometer spectral range of 200 to 900 nm (with appropriate light sources & optics) · TE cooled for improved stability and decreased dark counts · Includes spectrophotometer, interface optics, electronics, software	CRAIC	QDI 2010	Catalog not available	\$32,664.50	5.00%	\$31,031.28
II	0A080	NIR Spectrophotometer Package · NIR range microspectroscopy · Spectrometer spectral range of 900 to 1700 nm (with appropriate light sources & optics)	CRAIC	QDI 2010	Catalog not available	\$48,394.50	5.00%	\$45,974.78
II	0A085	E-NIR Spectrophotometer Package · Extended NIR range microspectroscopy · Spectrometer spectral range of 900 to 2100 nm (with appropriate light sources & optics)	CRAIC	QDI 2010	Catalog not available	\$72,594.72	5.00%	\$68,964.98
II	0A165	Base Microscope for use with QDI 302 Includes: · Microscope frame · Phototube and eyepieces · Nosepiece · Focus knobs · Modified optics · All required cables *Objectives and stage ordered separately	CRAIC	QDI 302	Catalog not available	\$8,464.50	5.00%	\$8,041.28
II	0A170	Transmission Visible-NIR Microspectroscopy Package for use with the QDI 302 Includes: · Light source & stabilized power supply for transmission microspectroscopy · Optics optimized for microspectroscopy · All required cables and lamps	CRAIC	QDI 302	Catalog not available	\$1,644.50	5.00%	\$1,562.28
II	0A175	Reflectance Visible-NIR Microspectroscopy Package for use with QDI 302 Includes: · Optics optimized for microspectroscopy · Light source & stabilized power supply for reflectance microspectroscopy · All required cables and lamps	CRAIC	QDI 302	Catalog not available	\$6,044.50	5.00%	\$5,742.28
II	0A180	Fluorescence Microspectroscopy package for use with QDI 302 Includes: · Light source & stabilized power supply for fluorescence microspectroscopy · Optics optimized for microspectroscopy · Three filter cubes with broadband excitation	CRAIC	QDI 302	Catalog not available	\$14,514.50	5.00%	\$13,788.78

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II	0A210	<p>QDI 302 UV-Visible-NIR Microscope Spectrophotometer</p> <p>Base system for collecting UV-visible-NIR range spectra from microscopic samples.</p> <p>Includes:</p> <ul style="list-style-type: none"> · Scientific grade spectral analysis interface easily added to microscope · User selectable spectral range · Microscope integration optics - Array based spectrophotometer (selected separately) · Port for digital imaging system (selected separately) · Pentium 4 computer running Windows XP Pro · Computer includes CD-RW, Ethernet, Firewire, USB · 32-bit Instrument control/Spectral Analysis software (selected separately) · Software and hardware are Y2K compliant <p>Must also select Instrument Control Software, Spectrophotometer Package and Digital Imaging Package.</p>	CRAIC	QDI 302	Catalog not available	\$26,614.50	5.00%	\$25,283.78
II	0A285	<p>NIST Traceable Transmittance Microspectrophotometer Standards</p> <ul style="list-style-type: none"> · For use with microspectrophotometers equipped with transmittance · Wavelength Calibration Standards · Photometric Calibration Standards · Elegant Wood Storage Container · Software for automatic instrument calibration 	CRAIC	All Units	Catalog not available	\$2,414.50	5.00%	\$2,293.78
II	0A305	<p>NIST Traceable Reflectance Microspectrophotometer Wavelength Standards</p> <ul style="list-style-type: none"> · For use with microspectrophotometers equipped with reflectance · Wavelength Calibration Standards · Software for automatic instrument calibration 	CRAIC	All Units	Catalog not available	\$3,624.50	5.00%	\$3,443.28
II	0A400	<p>Variable Aperture Package</p> <ul style="list-style-type: none"> -Six different size apertures -Seventh is a mirror so imaging can be done. -UV-visible-NIR spectral range -Custom sizes available 	CRAIC	All Units	Catalog not available	\$8,462.30	5.00%	\$8,039.19
II	0C005	<p>Quartz Slide, Microspectroscopy Grade</p> <ul style="list-style-type: none"> · Spectral range 200 to 2100 nm · 25 x 76 mm · 1 mm thick 	CRAIC	All Units	Catalog not available	\$55.00	5.00%	\$52.25
II	0C015	<p>Quartz Coverslip, Square, Microspectroscopy Grade</p> <ul style="list-style-type: none"> · Spectral range 200 to 2100 nm · 25 x 25 mm · 0.25 mm or less thick 	CRAIC	All Units	Catalog not available	\$55.00	5.00%	\$52.25
II	0C035	<p>75 W Xenon Replacement Lamp</p> <p>Replacement for transmission or reflectance for models:</p> <ul style="list-style-type: none"> · QDI 1000 · QDI 2000 - QDI 2010 	CRAIC	QDI 2010	Catalog not available	\$478.50	5.00%	\$454.58
II	0C025	<p>100 W Halogen Replacement Lamp</p> <p>Replacement for transmission or reflectance for models:</p> <ul style="list-style-type: none"> - QDI 2010 · QDI 1000, QDI 1000-NIR, QDI 2000 · QDI 202, QDI 302 · QDS II, QDS III 	CRAIC	QDI 302	Catalog not available	\$44.00	5.00%	\$41.80

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II	0P005	Manual XY Stage with Calipers and Analog Display · Hard wearing surface · Ergonomic XY adjustment knobs · Stage required for instrument operation	CRAIC	QDI 2010	Catalog not available	\$4,724.50	5.00%	\$4,488.28
II	0P020	15x UV-visible-NIR Microscope Objective · Swartzchild design mirrored optics · 200 nm to 3 micron spectral range · Free from chromatic aberrations · Corrected for spherical aberrations · High numerical apertures · Infinity corrected optics · RMS thread	CRAIC	QDI 2010	Catalog not available	\$6,346.73	5.00%	\$6,029.39
II	0P025	36x UV-visible-NIR Microscope Objective · Swartzchild design mirrored optics · 200 nm to 3 micron spectral range · Free from chromatic aberrations · Corrected for spherical aberrations · High numerical apertures · Infinity corrected optics · RMS threads	CRAIC	QDI 2010	Catalog not available	\$6,044.50	5.00%	\$5,742.28
II	0C030	100 W Mercury Replacement Lamp Replacement for fluorescence for models: - QDI 2010 · QDI 1000, QDI 2000 · QDI 202, QDI 302 · QDS, QDS II, QDS III	CRAIC	QDI 2010	Catalog not available	\$478.50	5.00%	\$454.58
II	0P085	1.3 MP High Sensitivity Digital Imaging System · High resolution color imaging · 1.3 megapixel 1/2" CCD sensor · 15 FPS · Imaging software · Integrated and optimized for CRAIC optics	CRAIC	All Units	Catalog not available	\$3,624.50	5.00%	\$3,443.28
II	0P095	Microspectrophotometer Cover · Ripstop nylon	CRAIC	All Units	Catalog not available	\$60.50	5.00%	\$57.48
II	0P160	Semi-rotating XY Stage with Calipers and Analog Display · Hard wearing surface · Ergonomic XY adjustment knobs · 240 degree rotation · Stage required for instrument operation	CRAIC	QDI 2010	Catalog not available	\$6,044.50	5.00%	\$5,742.28
II	0P180	Manual XY Stage with Calipers and Analog Display · Hard wearing surface · Ergonomic XY adjustment knobs · 50 x 75 mm range · Stage required for instrument operation	CRAIC	QDI 302	Catalog not available	\$1,809.50	5.00%	\$1,719.03
II	0T010	NIST Standards Recertification · Recalibrate NIST traceable standards · Valid for 2 years from date of certification · Includes software values for Autocal · Does not include shipping	CRAIC	All Units	Catalog not available	\$526.35	5.00%	\$500.03
II	0P165	10x BF Microscope Objective · Glass lens-based optics · 400 nm to 900 nm spectral range · Corrected for spherical aberrations · Infinity corrected optics · M25 thread	CRAIC	QDI 302	Catalog not available	\$1,204.50	5.00%	\$1,144.28

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II	0P170	20x BF Microscope Objective · Glass lens-based optics · 400 nm to 900 nm spectral range · Corrected for spherical aberrations · Infinity corrected optics · M25 thread	CRAIC	QDI 302	Catalog not available	\$1,204.50	5.00%	\$1,144.28
II	0P175	50x BF Microscope Objective · Glass lens-based optics · 400 nm to 900 nm spectral range · Corrected for spherical aberrations · Infinity corrected optics · M25 thread	CRAIC	QDI 302	Catalog not available	\$1,534.50	5.00%	\$1,457.78
II	0T025	Installation, Qualification and Training · Two days on-site · Includes installation and qualification of instrument · Training includes background science and hands-on user certification	CRAIC	All Units	Catalog not available	\$4,950.00	5.00%	\$4,702.50
II	0P035	10x UV-visible-NIR Microscope Objective · Quartz lens-based optics · UV-Visible-NIR spectral Range · Corrected for spherical aberrations · Infinity corrected optic · RMS thread	CRAIC	All Units	Catalog not available	\$8,464.50	5.00%	\$8,041.28
II	0P040	40x UV-visible-NIR Microscope Objective · Quartz lens-based optics · UV-Visible-NIR Spectral Range · Corrected for spherical aberrations · Infinity corrected optics · RMS thread	CRAIC	All Units	Catalog not available	\$12,094.50	5.00%	\$11,489.78
II	0A050	Combined UV-visible-NIR Reflectance and Visible-NIR Fluorescence Microspectroscopy Package · Two spectroscopic techniques in one package. · UV-visible-NIR range Incident Illumination Optics · UV-visible-NIR light source with alignment mechanisms · Excitation at 365, 405 and 546 nm · 300-900 nm emission spectral range · Stabilized and regulated power supplies	CRAIC	QDI 2010	Catalog not available	\$38,164.50	5.00%	\$31,312.24
II	0P070	Color Laser Printer · High resolution: 2400 dots per inch · 25 pages per minute maximum · Network printer · Secondary USB/parallel connection	CRAIC	All Units	Catalog not available	\$984.50	5.00%	\$807.74
II	0T005	One year warranty · Includes parts and labor · Covers all hardware except for consumables · Commences from date of shipment · Please read our warranty for full details	CRAIC	All Units	Catalog not available	\$0.00	5.00%	\$0.00

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II	0S005	<p>MINERVA Microspectrometer Control and Analysis Software</p> <p>Software to operate the microspectrophotometer and analyze the spectral data.</p> <ul style="list-style-type: none"> · 32-bit Windows based software · Integrates instrument control and data analysis in one easy-to-use package · Automatic optimization of microspectrophotometer · Automatic calibration checking of microspectrophotometer with (optional) CRAIC standards · Acquire full UV-visible-NIR spectra in a single operation · Includes spectral viewing features such as interactive cursor, autoscaling, peak marking and more. · Includes spectral analysis features such as averaging, smoothing, and more. · Software is Y2K compliant <p>· Required for microspectrophotometer operation.</p>	CRAIC	All Units	Catalog not available	\$3,294.50	5.00%	\$2,702.99
II	FS010	<p>Microspectra Imaging Software</p> <p>For capturing and processing images with any CRAIC digital imaging system.</p> <ul style="list-style-type: none"> · Control and optimization of CRAIC digital imaging systems for the UV, visible and NIR regions. · Control and optimization of CRAIC color digital imaging systems. · Capturing and storing images in industry standard formats · Process and enhance image data files using different methodologies. <p>· This is specialized imaging software...not spectroscopy software..</p>	CRAIC	All Units	Catalog not available	\$695.00	5.00%	\$681.10