



BRUKER BIOSPIN CORPORATION
EPR DIVISION
 44 MANNING ROAD
 BILLERICA, MA 01821-3991 USA
 TEL. (978) 663-7406 FAX. (978) 670-8851



QUOTATION	
NO:	ER-02-07-0116

DATE: February 26, 2007

DELIVERY: 5-7 MONTHS ARO

SHIP VIA: Best Way

PREPARED BY: Dr. A. H. Heise

SALES REPRESENTATIVE:

TO:

Dr. Song-I Han
 Department of Chemistry and Biochemistry
 Physical Science Building North, Rm 3223
 University of California
 Santa Barbara, CA 93106-9510
 805-893-4858 FAX: 805-893-4120

Page 1 of 6

QTY.	DESCRIPTION:	PRICE:
	EMXplus SERIES EPR SPECTROMETERS	
1	<p>F6131740 EMXplus 10/2.7 EPR Spectrometer System ER 073 10" Magnet ER 081 2.7 kW Power Supply ER 090H 2.7 kW Heat Exchanger</p> <p>Included with the EMXplus EPR Spectrometer, in addition to the specified electromagnet system, are the following components:</p> <p>EMX 114 System Controller Mainframe, 19" rack; including system power supplies and cabling</p> <p>Digital Ultra High Resolution Hall Field Controller operating range 100 G - 18 kG, field accuracy typically better than 800 mG over full range center field setting resolution 24 bit, sweep resolution 24 bit maximum number of points 16.7 million sweep range up to 0 - 18 kG in one scan</p> <p>Digital Ultra High Resolution Signal Channel Module, Precision synthesizer 1 kHz to 100 kHz, settable in 1 kHz steps signal amplitude resolution 24 bits detection bandwidth up to 300kHz first and second harmonic with simultaneous detection 0 and 90 degree modulation phase with simultaneous detection phase resolution 0.1 degree automatic calibration of phase and amplitude for any frequency in the specified frequency range</p>	

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QTY.	DESCRIPTION:	PRICE:
1	<p>Personal Computer, Pentium IV, 2800 MHz, 256 MB RAM, 40 GB HD, 3,5" Floppy drive, CD/RW, Ethernet Colour display 17" Flatscreen Monitor , 1024x768 pixel Operating System installation package, Windows XP professional Acquisition controller with high speed spectrometer network interface (controls all spectrometer devices) HP Inkjet (Deskjet 690) or equivalent</p> <p>EPR Software package including : WIN-ACQ, the Acquisition Program under Microsoft Windows XP WIN-EPR, the Spectra Manipulation and Analysis Program WIN-SimFonia, the Spectra Simulation Program for liquids and powders with isotropic, axial and rhombic symmetry</p> <p>F6103310 ER 4141VT-U700 Variable Temperature Unit - 100-700K incl. 10 l dewar, controller, insert, heater/thermocouple water-cooled side plates for HS resonator</p>	

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QTY.	DESCRIPTION:	PRICE:
	<p>Magnet system:</p> <p>E 073 10" double yoke magnet built from magnetically soft, ultra-pure steel of low C-, P-, and S- content with 72 mm air gap max magnetic field strength with 12 kW power supply: 14.5 kG or 17.5 kG with 56 mm airgap (additional pole-tips required), weight 1.850 kg water cooled version, 3-ohm Impedance, compatible with all temperature control systems suitable for L-Band, S-Band, X-band, K-Band, Q-Band)</p> <p>E 081 Solid state power supply with 2.7 kW output power, magnet matching impedance 3-ohm, water cooled, three phase 400 Volts, stability class 1*10⁻⁶ compatible with E 072 and E 073 magnets</p>	

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