



QUOTE from Universal Cryogenics

JOB CODE	Date	Quote #
OBCOFG08K	6/29/2009	793

UNIVERSAL CRYOGENICS
 1815 W. Gardner Ln.
 Tucson, AZ. 85705
 520-622-6277 ph
 520-623-3167 fx
 www.ucryo.com
 kirby@ucryo.com

QUOTE VALID FOR 30 DAYS.	Ship To
SHIPPING WILL BE ADDED TO FINAL INVOICE.	OBERLIN COLLEGE DEPT PHYSICS AND ASTRONOMY 110N PROFESSOR ST OBERLIN OH. 44074
PROGRESS PAYMENTS MAY APPLY WITH PO.	

Customer Name / Address
OBERLIN COLLEGE DEPT PHYSICS AND ASTRONOMY 110N PROFESSOR ST OBERLIN OH. 44074

Customer Contact	Customer Contact Ph	Rep	Project
CHRIS MARTIN		KH	

Line	Item	Description	Qty	Rate	Total
1	Dewar	SUPERCAMERA II DEWAR -Rectangular dewar case with covers. -Internal outer and inner radiation shields. -Internal rigid supports. -Dewar Cart.	1	75,000.00	75,000.00
2	Cryo-Co...	CRYOCOOLERS -Sumitomo SRDK-415D cryocooler with helium pot. -Sumitomo CH-208R cryocooler.	1	65,000.00	65,000.00
3	Cryo-Co...	CRYOCOOLERS INTERFACE VACUUM -Welded bellows for SRDK-415D. -Welded bellows for CH-208R. THERMAL -Gold plated copper straps from 1st and 2nd stage SRDK-415D. -Gold plated copper straps from 1st and 2nd stage CH-208R. -baffling 1st stage region.	1	15,000.00	15,000.00

UNIVERSAL CRYOGENICS TERMS AND CONDITIONS 2009 APPLY, THANK YOU FROM UNIVERSAL CRYOGENICS!	Total
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Line	Item	Description	Qty	Rate	Total
4	Wiring	INTERNAL WIRING -Qty 8 gold plated annealed OFHC mixer block bus bar -qty 56 SMA coax Stainless Steel UT-085 series with SMA nut on one end, GPPO bulkhead connector on other end. -Solder Omnetics 51 and 25 pin connectors to DB-51 connectors (provided), qty 8 -Heat sink qty 56 SMA coax at 77K and 15K -Install qty 8 cryo wire assemblies -Additional modifications as needed -qty-12 55-pin hermetic connectors mounted on blank flanges. -qty-3 DT-470-SD-12 temp sensors with internal wiring. -qty-3 Firerod cartridge heaters with internal wiring. -heat sinks all wiring on CH-208R 2nd stage. -Cryo-wire supplied by UCRYO.	1	60,000.00	60,000.00
5	Dewar-...	DESIGN -Dewar design. -Correspondence with customer at UofA. -Dewar Leak Checking, Vacuum and Cryogenic Testing of Dewar with Documentation.		5,000.00	5,000.00
6	DELIV...	DELIVERY OF SYSTEM IS 5 MONTHS ARO. -FINAL INTERNAL WIRING DETAILS MAY REQUIRE RE-QUOTING.			

UNIVERSAL CRYOGENICS TERMS AND CONDITIONS 2009 APPLY, THANK YOU FROM UNIVERSAL CRYOGENICS!	Total	\$220,000.00
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