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## QUOTATION

			<u>Reference No</u> Date		<u>117.8 it 5Pa</u> (12/2021
Dr. Giorgio De SimoniPayment Terms Quote Validity ShipmentIstituto Nanoscienze - CNRQuote Validity ShipmentPiazza San Silvestro, 12Shipment56127 PisaVAT (IVA)			14-16 Weeks After Drawing Approval		
tem (	<u>Qty.</u>	Description		<u>Model #</u>	<u>Price</u>
2	1	Closed Cycle Cryostat, Model CS210SE-GMX-3AL Bare Cryocooler Minimum Temperature: < 3.0 K (Sample temperature depends on experimental heat loc Cryocooler Maximum Temperature: 355 K Expander weight: 7.1 Kg. (Light weight for easy manipula Cryostat Cooling Power: 1st Stage (for radiation load and fast cooldown) : 60 W 2nd Stage (for experimental heat load): 1.1 Watts at 4. Cryostat Cooldown Time: 80 minutes Bolt On Stainless Steel Instrumentation Skirt with: Three instrumentation feedthroughs for 10 pin or 19 pin High Conductance NW-25 flange for evacuation. ISO-160 Flange with Claw Clamps Cryocooler operable in any orientation (tip-down for best Helium Compressor, Water cooled	ads) ation). atts at 77K. .2 K n connectors.	S210SE-HV	
		Voltage specification: 380-415V, 3 Ph, 50 Hz			
3 4	1 1	Helium hoses, 1 set of two, 3/4" 18m [60 ft] Bare Copper (Nonmagnetic) Closed Radiation shield No holes Bare Copper (OFHC) Construction Accommodates samples up to 125mm diameter by 198mr	R C R	IH-STD-75-60 ISG-3 IUSTOM Ref. 218007	
5	1	Aluminum (Nonmagnetic) Closed Vacuum Shroud for 210 Welded Aluminum Construction Large Sample space		GMX-3-AL CUSTOM lef. 218007	
6	1	<ul> <li>Instrumentation for sample temperature control</li> <li>10 Pin hermetic feedthrough.</li> <li>1x 50 Ohm Durable metallized thermofoil heater.</li> <li>1x Curve Matched Silicon Diode sensor installed at the confor temperature control. (LS-DT-670B-SD)</li> <li>1x Calibrated Silicon Diode sensor installed with 6" free la accurate sample temperature measurement. (DT-6708)</li> </ul>	ooler tip ength for	I-STD-1-50	

7	1	DC Wiring Package	CUSTOM
		1x 32-pin feedthrough	W-INST-2-36
		24x low-heat load Phosphor Bronze Wires, 36 AWG, Kapton Insulated,	FT-STD-PN32-1
		thermalized to 1st and 2nd stage of cryocooler with 8" free length	
	4	DE Wining Dackage	СИЅТОМ
8	1	RF Wiring Package	P-M12-TEE
		16x SMA Feedthroughs with outer shields grounded to cryostat	FT-SMA-BH-8-G
		16x High frequency coaxial cables (FM-F086) with SMA connections,	Ref. 193132
		installed in cryostat with cables <u>thermalized to 1st stage only</u> on bulkhead	
9	1	16x High frequency coaxial cables (FM-F086) with SMA connections, ships	СИЅТОМ
		loose (uninstalled from cryostat) for future connection from stage 1 to 2	
		Note: connecting these wires will add further heat load to 2nd stage and base	
		temperature is not guaranteed	
10	1	Custom Sample Holder with Electrical Isolation and SMA Thermalization	СИЅТОМ
	-	Horizontal Circular Sample Plate, Ø115mm x 15mm thick	
		Custom hole pattern (dimensions TBD by customer)	
		Custom electrical isolation spacer, Kapton or similar	
		Custom grounding wire added to DC feedthrough	
		16x removable SMA bulkheads installed for future RF cable connection	
		Four #4-40 bolt pattern for mounting to cold tip	
		Note: connecting this item will add further heat load to 2nd stage and base	
		temperature is not guaranteed	
11	1	Table Top Stand, Vertical	СИЅТОМ
		Extruded Aluminum with mounting fork for 210 cryostats	
12	1	Temperature Controller integrated with the cryostat:	LS-335
		Interconnecting cable to cryostat is supplied.	
		Dual Channel Sensor Input	
		Dual heater control loops with 75 Watts heater power	
		IEEE-488 and USB	
		PID control zones with autotuning	
13	1	Installation Kit and Technical Manuals	
14	1	Export Packing (rugged wood case)	
		Note: Cryostat Base Temperature will be <4.0K at the cold tip with the	
		equipment included as written above (RF cables thermalized to 1st stage	
		only) and no other heat loads applied. Additional options and customizations	
		may further increase base temperature.	
		1	

Total Price Cryostat, Delivered Duty Paid € 74.995

In the case of a your welcome order, please send it to:

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