

北京飞斯科科技有限公司报价单

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描述		数量	价格(¥)
Cryogen free UHV compatible cryogenic system 超高真空干式低温系统 (型号: Qcryo-S-400) 主要技术指标: 不消耗液氮的干式低振动低温系统 分体式低震动设计(由 UHV 兼容低温插件和氮循环低温系统两部分组成) UHV 兼容低温插件 标称温度范围: <2.2K-400K (备注: 采用 Qcryo 氮循环低温系统的闭环测试, 且无外加负载) 温度稳定性: 优于±50mK 内置低温温度计和加热器 两个超高真空兼容温度计 带 90 度弯头的排气口和一个 O 圈密封 10 针电贯穿 两个特殊设计的可拆卸式镀金冷屏 四输入通道控温仪 氮循环低温系统 冷头制冷量: 1.8W@4.2K 冷头悬浮减震机构 定制型盘管 多级热交换器 集成无油干泵和自恒压装置的循环气路 该系统配置: 1. UHV 兼容低温插件 CF 100 conflat flange with one 6pin and one 10-pin UHV feedthroughs(each at 7° angle with respect to vertical axis) and two rotatable CF16 blank ports 在 CF100 主刀口法兰上带一个 6 针 UHV 兼容电贯穿和一个 10 针 UHV 兼容电贯穿(每个法兰与垂直方向有 7 度左右夹角) 和 2 个 CF16 盲法兰端口 (或者是 2 个 9 针, 具体图纸确认的时候确认) Ultra high vacuum cold finger with copper sample mount, internal 50ohm control heater, and calibrated temperature sensor 超高真空冷指带铜样品座, 内置 50 欧姆加热器和一个校准型温度		1 套	¥980,000
		1	Included

计 Gold plated sample mount with tapped holes 镀金样品座带螺丝孔 Distance from the CF100 conflat flange to the bottom of the cold finger is 60cm 从CF100 刀口法兰到冷指末端的距离为 100cm(用户可自定义该长度) NW-25 with 90° elbow for cryogen vent port 带 90 度弯头的 NW25 氮气排气口 One O-ring sealed 10pin feedthrough with 90° elbow for connecting built-in temperature sensor and heater 一个带 90 度弯头的 10 针电学密封接头通过 O 圈密封，用于连接内建加热器和温度计 Welded gold-plated OFHC thermal anchors with mounting flange 带安装法兰的焊接镀金无氧铜热沉 gold plated radiation shield 镀金冷屏 Calibrated temperature sensor and cartridge heater mounted on sample mount 样品座上安装校准温度计和加热器 Four channel cryogenic temperature controller 四输入通道低温控温仪 Four multipurpose input channels support Diode, Platinum RTD and virtually all cryogenic NTC resistive temperature sensors. 四个多用途输入通道，支持二极管温度计、铂 RTD 温度计、各种低温负阻型温度计 Two control loops. Loop #1: 50-Watt, three range. Loop #2: 25-Watt, two range 两个控制输出回路，Loop#1 分三个量程，最大输出功率为 50W；Loop#2 有两个量程，最大输出为 25W Remote interfaces include Ethernet and RS-232 以太网和 RS-232 接口 LabVIEW™ drivers are available for all interfaces 提供 Labview 驱动		
2. Recirculating helium gas cryogenic system 氦气循环低温系统(型号: Qcryo-18) 主要配置: 4K GM cold head, with nominal cooling power of 1.8 Watt at 4.2 K at its second stage 采用 <u>二级冷台制冷量为 1.8W@4.2K</u> 的 4K GM 制冷机 Custom capillary design with two VCRs between first cold head and second cold head 在一级和二级冷头之间采用带 VCR 接头的定制型盘管设计 Water-cooled compressor(3 Phases,380VAC) with high pure helium 三相水冷式高纯氦气压缩机 A bellow-sealed evacuation valve and safety pressure relief valve and a multi-pin hermetically sealed electrical feedthrough for the diagnostic thermometry in the system	1	Included



抽真空阀和安全阀，多针密封电学接头连接系统诊断用温度计 Based on latest Joule-Thomson valve refrigeration technology 基于最新 JT 阀低温技术 Multiple heat exchangers for pro-cooling 采用多级热交换预冷循环氮气 Cold head suspension damping technology 冷头悬浮减震技术 High efficiency flexible superinsulation vacuum jacketed transfer line 高效柔性绝热传输管 线 Gas Handling System 气体处理系统 Hermetically circulating scroll pump 密封循环干泵 Flexible stainless steel pumping lines and isolation valves 不锈钢柔性管线和隔断阀 Appropriate filters and traps for enabling long term operation of the system 合适过滤器 和分子筛等保障长时间连续运行 External pumping line vibration isolators between the cryostat vent line and the pump 在 恒温器和真空泵之间提供隔震器 Optimized self-constant pressure gas system has faster cooling and more stable temperature 优化自恒压气路降温更快，温度更稳定 A corrugated S.S. fine tube with one end connected to a two-stage pressure regulator and the other end equipped with KF16 细不锈钢细波纹管一端接双级减压表，另一端带 KF16 法兰		
含税到门价：		¥980,000
付款方式：签订合同后预付 90%，验收后支付 10%		

货期：签订合同收到预付款且图纸确认后 3-4 个月（假期顺延）
报价单有效期：60 天
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