

NEW

Low-cost cryostat with 0.1W at 4.2K cryocooler launched

Cryocooling Device

Cryostat for Optical and Electrical measurement

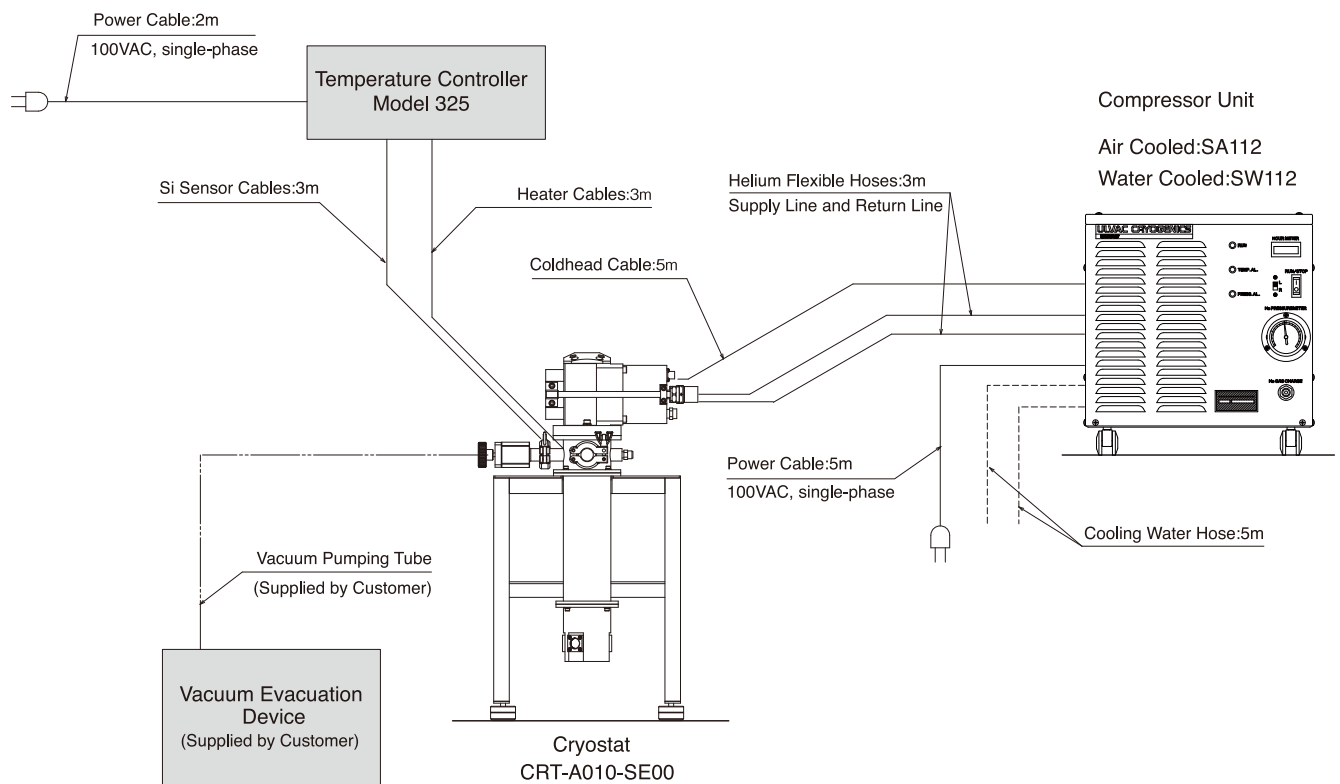


- Equipped with 0.1W at 4.2K compact cryocooler
- With four large windows of $\Phi 14$, ultimate temperature is as low as 4.2K.
- No liquid helium required. Measurement of samples at cryogenic temperature is possible for long hours.
- Compressors can be selected from air-cooled and water-cooled
- Temperature is controlled by calibrated sensor. Samples can be cooled to desired temperature from room to cryogenic
- For optical measurement, optical axis length is adjustable from 120 to 250mm as specified at the time of production.

Specifications

Ultimate Temperature	Below 4.2K
Refrigeration Capacity	0.1W/4.2K
Cooldown Time	Less than 120 minutes (to 10K)
Temperature Range	4.2K~300K
Temperature Stability	Less than ± 0.2 K
Optical Window	Synthetic Quartz ($\Phi 14$ (Effective Diameter) $\times 4$) (Shield Opening: $\Phi 10 \times 4$)
Lead Wire for Electrical measurement	$\Phi 0.2$ Teflon Coated Lead Wire
Temperature Sensor	Si Diode Sensor (Calibrated) 1 set

Cryostat CRT-A010-SE00 System



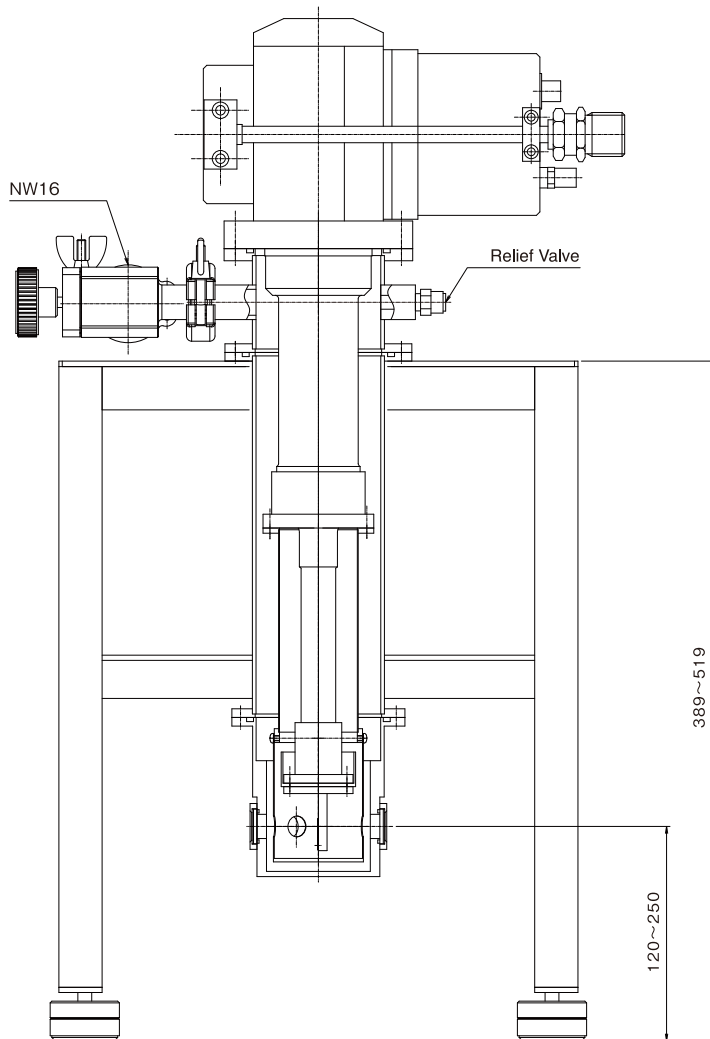
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Configuration (One unit each)

Cryocooler	Coldhead HE01
	Compressor, Power Supply: 100V Single-phase 15A
Cryostat for Optical, Electrical measurement	CRT-A010-SE00
Temperature Controller	325

External Dimensions

Optical Axis View



Sample Holder Detail

