

microCryostat

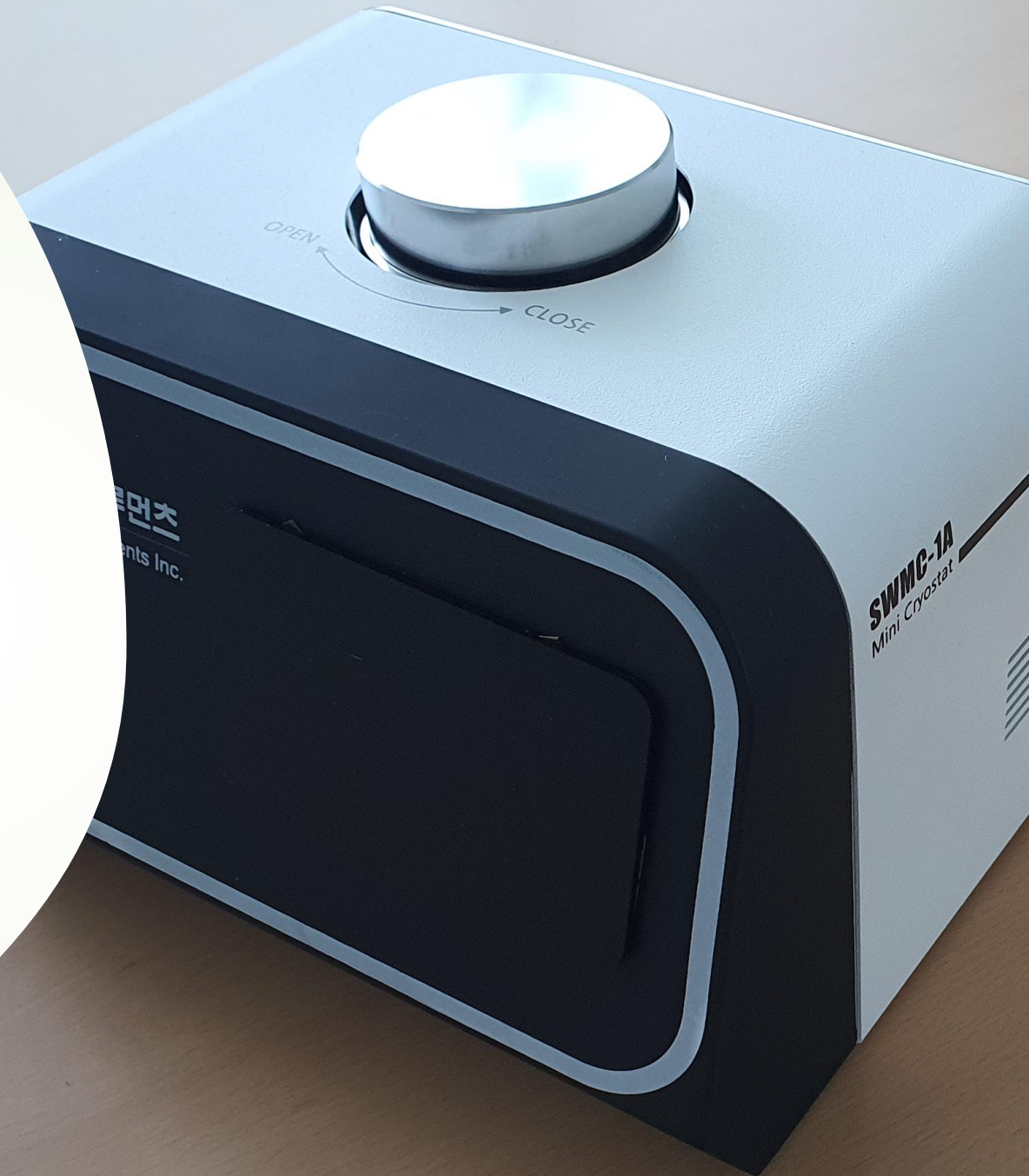


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Micro Cryostat(Model:HNA-05)

Temperature range 50K ~ RT

- ▶ Cooldown time less than 10 minutes
- ▶ Pulse tube type stirling cooler
- ▶ Cooling power 500mW @ 77K
- ▶ Power consumption : 30W, 20VDC
- ▶ Size : 240mm x 178mm x 182mm(H)
- ▶ Touch screen control or USB
- ▶ Sample size : 7mm x 7mm
- ▶ Weight : 3 kg
- ▶ Advantages
 - ▶ Compact size(built-in compressor) ; no helium lines
 - ▶ Fast cooldown time
 - ▶ Less noise and vibration
 - ▶ No Maintenance
 - ▶ Interface : USB
- ▶ Applications
 - ▶ Low temperature measurement; transport, optics
 - ▶ Material science, superconductivity and so on

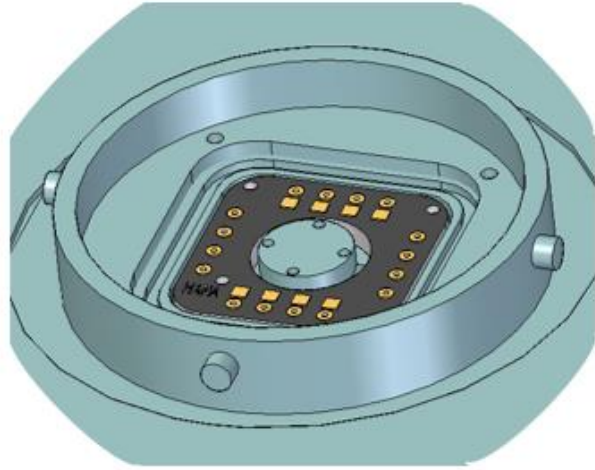


개발모델

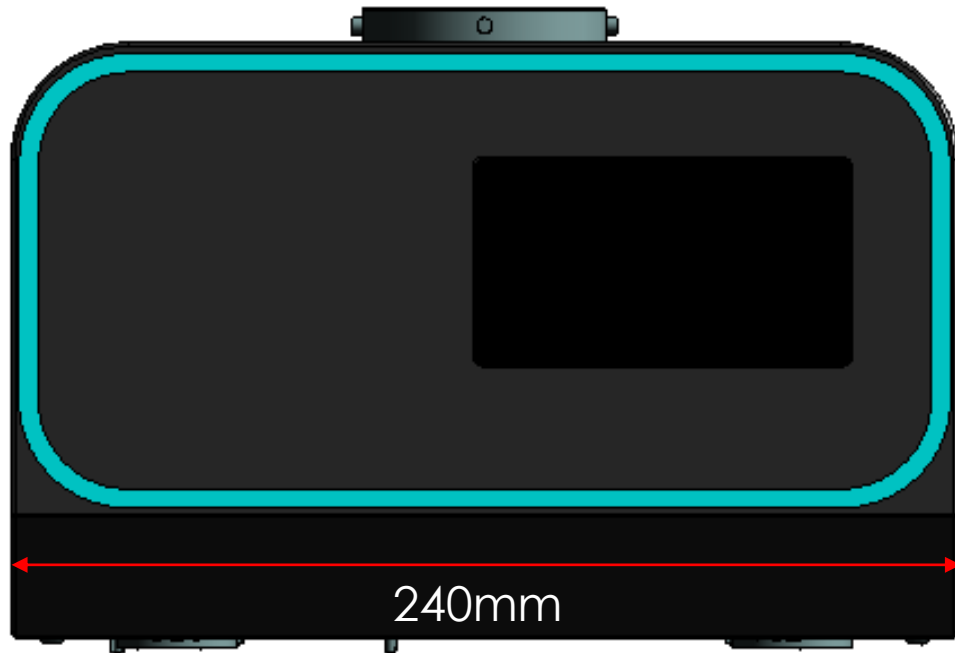
	HNA-05	HNA-30*
Cooling power	500mW@77K	3.0W@77K
Temperature	50K ~ RT	50K ~ RT
Size	240mm x 178mm x 182mm(H)	350mm x 250mm x 400mm (예정)
Weight	3 kg	~8 kg
Power	30W, 20VDC	80W, 24VDC
Sample space	Ø15mm	> Ø20mm
Applications	Physics, Material Science, Bio, Chemical Eng.	
Options	High Temperature (~400K) Electronics(SMU), Vacuum pump, Measurement Software	

*HNA30 is currently under development
for hall effect and thermal conductivity measurement.

HNA-05



Holder for resistivity measurement
Sample space $\text{\O}15\text{mm}$
PCB : 28mm x 28mm



Kleenex tissue: 215mm x 115mm