

LTSYS - Low Temperature Physics Measurement System

LTSYS -CcADR

cryogen-free ultra low temperature physics measurement systems

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Temperature Range	
standard edition	< 100 mK .. 300 K

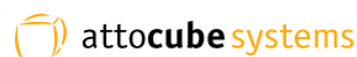
General Specifications	
technology	4 K stage: pulse-tube based closed-cycle cryostat 100 mK stage: adiabatic demagnetization refrigerator
material of body	stainless steel and aluminum
top loading system	quick and easy sample exchange
attoDAMP™	vibration and acoustic noise damping system

Adiabatic Demagnetization Refrigerator	
base temperature	< 100 mK
hold time @ 100 mK	> 48 h (double stage ADR salt pill, no external load)
recharge time	< 1 h

Pulse Tube Based Pre-Cooler	
nominal cooling power (@ 4.2 K)	> 350 mW
power consumption	6 kW
cooling	water cooling

System Connections	
vacuum pump	flange and valve included
thermometry	standard feed-through included

Available Inserts	
confocal microscopes	attoCFM II, attoCFM III
atomic force microscopes	attoAFM I



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