

LTSYS - Low Temperature Physics Measurement System

LTSYS -Cc

cryogen-free low temperature physics measurement systems

Temperature Range	
standard edition	4 .. 300 K

General Specifications	
technology	low vibrations, pulse-tube based closed-cycle cryostat
material of body	stainless steel and aluminum
top loading system	quick and easy sample exchange, 2" diameter probe bore fitting all attocube inserts
attoDAMP™	vibration and acoustic noise damping system

Performance Data	
temperature range	4 .. 300 K
cool down time to 4 K	< 4 h
temperature stability	non-regulated 0.1 K

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

Dimensions	
cryostat (width x depth x height)	640 x 640 x 1200 mm (including rack and attoDAMP)
electronic rack (width x depth x height)	640 x 640 x 1350 mm (including rack)
required ceiling height	approx. 3 m

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

Options	
superconducting magnet	6 .. 9 T

Available Inserts	
confocal microscopes	attoCFM II, attoCFM III
atomic force microscopes	attoAFM I, attoAFM III
scanning nearfield optical microscopes	on request
cryogenic probe station	attoCPS I, attoCPS II

