

# LTSYS - Low Temperature Physics Measurement System

## LTSYS -HeDIL

ultra-low temperature physics measurement systems

.....

### General Specifications

principle	dilution refrigerator unit
liquid Helium reservoir capacity	50 l
temperature isolation	liquid Nitrogen shielded
material of body	Aluminum
top loading system	quick and easy sample exchange
attoDAMP™	vibration and acoustic noise damping system

### Performance Data

base temperature inside mixing chamber	< 20 mK
cooling power	up to 400 $\mu$ W @ 120 mK
access to mixing chamber	greased conical plug
thermometry	1 K pot and still: resistance thermometers mixing chamber: calibrated thermometer
estimated liquid Helium static loss rate (standard edition, without insert)	0.25 l/hr

### Dimensions

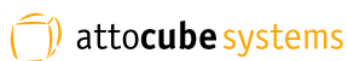
cryostat (width x depth x height)	approx. 900 x 750 x 1500 mm (including rack and attoDAMP)
electronic rack (width x depth x height)	640 x 640 x 1350 mm (including rack)
required ceiling height	approx. 3 m

### Options

superconducting magnet	6 .. 12 T (15 T on request)
Helium transfer line	different sizes on request
Helium level meter	

### Available Inserts

confocal microscopes	attoCFM II
----------------------	------------



All rights, including rights created by patent grant or registration of a utility model or design as well as rights of technical modifications are reserved. Delivery subject to availability. Designations may be trademarks, the use of which by third parties for their own purposes may violate the rights of the trademark owners. © attocube systems AG 2001-2007.