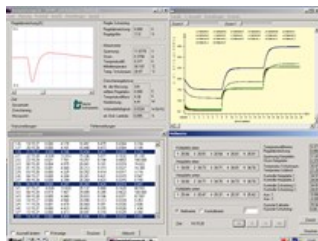


Specification C-ISO 500 HT

Measuring procedure	guarded hot plate method according ISO 8302 , ASTM C 177, DIN EN 1946-2, EN 12664, EN 12667, EN 12939
Measuring range	in dependence of sample thickness 0.01 – 1.0 W/m·K
Sample dimensions	thickness in dependence of thermal conductivity 10 - 80 mm w x d: 250 x 250 mm – 500 x 500 mm (measuring area 250 x 250 mm)
Mean sample temperature	in dependence of sample thickness and thermal conductivity of the sample 60 - 300 °C
Measuring inaccuracy	over entire range typically ± 1% (max. ± 4%, according ISO 8302)
Reproducibility	typically ± 0,5% (max. ± 1%, according ISO 8302)
Hot plate	stainless steel, 250 x 250 mm
Protective ring heater	stainless steel, 500 x 500 mm, assembled with hot plate, thermocouples chain
Add. gradient protection	additional electrical heater for protection chamber
Cooling plates	aluminium, black elox, 500 x 500 mm
Temperature control	electrical / cryostat
Temperature measurement	20 thermocouples for direct determination of mean temperature difference (4 levels ever 5 pieces), isothermal block
Plate lifting unit	linear lifting function, electric motor with velocity regulation
Measurement of thickness	digital, 0 – 240 mm, resolution 0,1 mm
Measurement of pressure	digital, 0 – 500 N, resolution 1 N
Operation / Display	- lifting speed
Touch screen	- pressure of the measuring plate
	- plate distance
	- start / stop measurement
	- measuring results
Interfaces	1x RS232, 2x USB, 1x Fast Ethernet
Sample entry	from forwards
Construction	stationary device with insulated protection chamber
Dimensions	(W x D x H) 1020 x 1045 x 1590 (2270) mm
Weight	339 kg
Power supply	110 V/60Hz or 230 V, 50 Hz, max. 3.0 kW
Delivery range	Measuring instrument C-ISO 500 HT
	Measuring and control
	Unit Lambda Control
	Cryostat
	Power cable
	English manual
Options	Software Lambda 2012
	PC, Monitor, Printer



Display



C-ISO 500 HT