

HFM 783 *Aspida*

Standards*	Heat flow meter method according to ISO 8301, ASTM C 518, DIN EN 12664, EN 12667, JIS A1412-2
Type	Stand-alone, with integrated touch display
Measuring range in dependence of sample thickness	0.002 to 0.5 W/(m·K)** Performance data***: <ul style="list-style-type: none"> ■ Accuracy: ± 1.0 to 2.0% (ISO 8301 requires max. ± 5.0%) ■ Repeatability: ± 0.5 % (ISO 8301 requires max. ± 1.0%)
Plate temperature range	-10°C to 70°C
Variable load	0 - 500 N (5.5 kPa)
Metering area heat flux transducer	100 mm x 100 mm
Specimen sizes (max.)	300 mm x 300 mm x 100 mm
Chiller system	External; constant temperature setpoint over plate temperature range
Plate temperature control	Peltier system
Plate motion	Motorized
Plate thermocouples	PT 100
Thermocouple resolution	± 0.01 K

* Additionally for product and measurement technique related standards, e.g., DIN EN 13162, EN 13163, EN 13164, EN 13165, EN 12939, EN 1946-3

** Others on request

*** All performance data is verified with NIST SRM 1450d (thickness 25 mm).

Please note: in the very low thermal conductivity range, accuracy of Lambda (λ) values can be restricted.