

Specifications TIM L58

	TIM L58
Temperature range	-30 °C to 450 °C*
Standard Sample Size	Round: ø 20 mm, 25 mm, 40 mm Rectangular: 20 mm x 20 mm, 25 mm x 25 mm, 40 mm x 40 mm (Other sizes on request)
Sample Thickness	0.001 to 8 mm (up to 20 mm)
Thickness Control	± 5µm
Sample Measurement Range	0.1 - 50 W/mK
Sample Resistance Range	0.005 - 500 [cm ² K/W]*
Contact Pressure Range	0 up to 16 MPa (0 up to 2300 psi/depending on sample size and shape) From round ø 20mm (up to 16 MPa) to ø 40 mm (up to 4 MPa) and rectangular 20mm x 20mm (up to 12 MPa) to 40mm x 40mm (up to 3.1 MPa)
Reproducibility	± 2 %*
Accuracy	± 3 - 5 %*
Force Options	1 kN, 2 kN, 5 kN
Meter Bar Material	Aluminium, copper, brass (other materials & special coatings)
Software Plugins	<ul style="list-style-type: none">• Thickness modulation• Temperature cycling• Quality management tool• High acceleration: 5000 cycles per day
Cooling Options	Standard water-cooling unit, intracooler 600 (-20
Power Supply	110/115/220/230 VAC 50/60 Hz

* Under optimum conditions

** Lowest cold side meter bar temperature under optimum conditions