



Technical Data – Thermator II

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Characteristics	Thermator II		
Temperature range*	-35...165 °C -25...150 °C (Surface)		
Setting range	-50...165 °C		
Control sensor (switchable)	Internal	External	External + Air Shield Insert
Hysteresis	±0.25 °C	±0.025 °C	
Dry block (DB)			
Display accuracy	±0.3 °C	±0.2 °C	±0.099 °C**
Stability	±0.01 °C	±0.005 °C	±<0.001...0.005 °C
Influence of load			±0.01 °C
Temperature distribution Axial Radial			±0.06 °C ±0.01 °C
Infrared (IR)			
Display accuracy	±0.5 °C		-/-
Stability	±0.02 °C		-/-
Surface (SU)			
Accuracy	-/-	±1.0 °C	-/-
Stability	-/-	±0.15 °C	-/-
Micro calibration bath (LI)			
Display accuracy	±0.1 °C	±0.137 °C**	
Stability	±0.01 °C	±0.005 °C	
Influence of load		±0.05 °C	
Temperature distribution Axial Radial		±0.075 °C ±0.05 °C	-/- -/-
Stabilisation time			
With ext. reference sensor to ±0.05 °C to ±0.005 °C	Typical 1 min Typical 5 min		
Display			
Type • Size	Colour Touch screen • 7"		
Resolution	0.1 / 0.01 / 0.001 °C / °F / K		
Unit	°C / °F / K		
Electrical characteristics			
Electrical Supply	100...240 VAC • 50/60 Hz / ~ 375 W		
PC interfaces	Ethernet, 3x USB		
Ambient conditions			
Operating temperature	0...50 °C		
Transport and storage temperature	-10...60 °C		
Humidity (RH)	< 80% to 31 °C, (non-condensing environment)		
Application area	tested according to EN 61326-1, class A (industrial sector)		
Housing			
Width • Height + Handle • Depth	210 • 380+50 • 300 mm		
Weight	~ 13 kg		

* At ambient temperature of 20 °C / 68 °F

** Extended measurement uncertainty according to DAkkS-DKD-R 5-4

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