

Technical Data - MKT 50

Standard methods
ASTM E1137, EN 60751, ITS 90

MKT 50	
Measuring range:	
Temperature	-260 °C to +962 °C (-436 °F to +1764 °F)
Resistance	0 Ω to 440 Ω
Resolution:	
Temperature	0.1 mK (Pt 100)
Resistance	40 μΩ
Measurement uncertainty:	
Temperature	< 1 mK (Pt 100)
Resistance	< 400 μΩ
Measuring sensor	Pt 100 or Pt 25.5 (EN 60751 or ITS-90)
Measuring current	0.41 mA _{rms}
Internal reference resistor	400 Ω (Vishay Precision Group, VHP 101)
Number of sensor inputs	2
Sensor connection	4-wire (LEMO 1S304)
Measuring time	1.44 seconds (for both channels)
Data outputs	RS-232D (optional USB) LAN (Ethernet, 10 Mbit)
Ambient operating temperature	0 °C to 35 °C (for highest accuracy 20 °C to 25 °C recommended)
Power supply	Power adapter 7.5 V or 2× AA batteries
Dimensions (L × W × H)	240 mm × 190 mm × 110 mm (9.5 in × 7.5 in × 4.3 in)
Weight	approx. 2 kg (4.4 lbs)