

PRODUCT SPECIFICATION SHEET

Product Name: Klein Tools MM200 Accessories

AC Voltage Measurement

Overload Protection: 600V RMS

RMS Frequency: 50 ~ 60Hz

Input Impedance: > 10MΩ

Response: Averaging

Range	Resolution	Accuracy
4V to 600V	1mV to 1V	± (1.2% + 5 digits)

Resistance Measurement

Overload Protection: 600V RMS

Range	Resolution	Accuracy
400Ω to 4MΩ	0.1Ω to 0.001MΩ	± (0.8% + 4 digits)
40MΩ	0.01MΩ	± (1.5% + 4 digits)

Capacitance Measurement

Overload Protection: 600V RMS

4nF Range: Stated accuracy with film capacitor or better

Range	Resolution	Accuracy
4nF to 40μF	0.001nF to 0.01μF	± (3.0% + 6 digits)
200μF	0.1μF	± (4.0% + 6 digits)

Frequency Measurement

Overload Protection: 600V RMS

Sensitivity: 0.7V RMS at 1MHz

Range	Resolution	Accuracy
9.999Hz to 999.9kHz	0.001Hz to 0.1kHz	± (0.5% + 2 digits)

Temperature Measurement

Overload Protection: 600V RMS

Sensor: K-type thermocouple, accuracy not listed

Range	Resolution	Accuracy
-4°F to 32°F (-20°C to 0°C)	1°F (17.22°C)	± (5.0% + 2 digits)
32°F to 1,832°F (0°C to 1,000°C)	1°F (17.22°C)	± (3.0% + 2 digits)

Duty Cycle Measurement

Overload Protection: 600V RMS

Frequency: 0.5Hz ~ 100kHz (pulsewidth > 2μsec)

Range	Resolution	Accuracy
0.1% to 99.9%	0.10%	± (2% + 5 digits)

AC/DC Current Measurement

Range	Resolution	DC Accuracy	AC Accuracy
400μA ~ 400mA	0.1μA ~ 0.1mA	± (1.0% + 3 d)	± (1.2% + 3 d)
10A	0.01A	± (3.0% + 5 d)	± (3.0% + 5 d)

Overload Protection:

mA Input: F400mA / 250V fuse

10A Input: F10A / 500V fuse)

Max Current Input:

mA Input: 400mA DC / AC RMS

10A Input: 10A DC / AC RMS)

Diode Test		
Overload Protection	Test Current	Open Circuit Voltage
600V RMS	Appx. 0.6mA	Appx. < 1.5V DC

Continuity Test	
Overload Protection	Open Circuit Voltage
600V RMS	Appx. 0.44V

Physical	
Operating Altitude	6560 ft (2000 m)
Relative Humidity	75% max operating
Operating Temperature	32°F to 104°F (0°C to 40°C) < 75% R.H.
Storage Temperature	-4°F to 140°F (-20°C to 60°C) < 80% R.H.
Accuracy Temperature	(18°C to 28°C) 64°F to 82°F < 75% R.H.
Temperature Coefficient	0.1*(specified accuracy) / °C
Sampling Frequency	3 samples per second
Dimensions	2.76" W x 1.97" D x 5.91" H (7.01 cm W x 5 cm D x 15.01 cm H)
Weight	8.36 oz.
Calibration	Accurate for one year
CAT Rating	CAT III 600V
Listing	ETL & cETL standard UL 3111-1 listed
Pollution Degree	2
Accuracy	± (% of reading + # of least significant digits)