

3-3/4 Digit DMMs with Temp, Freq and Capacitance

506 Dual Display, True RMS

- Dual display for Frequency, AC voltage and Temperature measurements
- True RMS AC Voltage, Current and DB Readings
- RS-232 interface & software, 10 location memory
- Min, Max, Avg and Relative modes
- Capacitance, Inductance, Frequency and Temp measurements
- Square wave generator, logic function and back light



506



D981 4000 Count Multi-Function

- 3-3/4 digit LCD with Bar graph and Data Hold
- Temperature, Frequency and Capacitance measurements
- Min/Max and relative modes
- Auto power off
- 10M Ω input impedance



D981



SPECIFICATIONS

[506]

Volts DC

Ranges (5): 400mV to 1000V

Best Resolution: 0.1mV; Accuracy: $\pm (0.5\% \text{ Rdg} + 2d)$

Volts AC

Ranges (5): 400mV to 750V

Best Resolution: 0.1mV; Accuracy: $\pm (1.5\% \text{ Rdg} + 5d)$

DC Current

Ranges: 400 μ A, 400mA, 20A

Best Resolution: 0.1 μ A; Accuracy: $\pm (1\% \text{ Rdg} + 2d)$

AC Current

Ranges: 400 μ A, 400mA, 20A; Best Resolution: 0.1 μ A

Accuracy: $\pm (1.5\% \text{ Rdg} + 2d)$, 50Hz to 100Hz

Resistance

Ranges (6): 400 Ω to 40M Ω

Best Resolution: 0.1 Ω ; Accuracy: $\pm (0.5\% \text{ Rdg} + 2d)$

Decibel

Ranges (4): -31.6 to +59.71dB; Best Accuracy: $\pm 0.5dB$

Continuity

Buzzer: Sound at < 100 Ω

Display Will Read: Shrt when R < 100 Ω ; Open when R > 100 Ω

Diode

Display Will Read: Shrt when V < 0.5V;

Good when V = 0.5V to 1V; Open when V > 1V

Frequency

Ranges (4): 10KHz to 10MHz; Best Resolution: 1Hz

Accuracy: $\pm (0.01\% \text{ Rdg} \pm 1d)$; Sensitivity: 1.5V RMS

Temperature

Range: -17 to 1200 $^{\circ}$ C (0 to 2000 $^{\circ}$ F)

Resolution: 1 $^{\circ}$ C and 1 $^{\circ}$ F; Accuracy: $\pm (3\% \text{ Rdg} + 3d)$

Logic Probe

TLL Level Display Will Read: Lo when V < 0.8V;

Hi when V > 2.0V; when V is 0.8V to 2.0V

Capacitance

Range: 0 to 100 μ F

Resolution: 0.01 μ F; Accuracy: $\pm (3\% \text{ Rdg} + 5d)$

Inductance

Range: 0 to 100H; Resolution: 0.01H

Miscellaneous

Signal Out: 2048Hz, 4096Hz, 8192Hz Square wave

Timer Range: 1 second to 10 hours

RS-232 Interface: 1200bps, 9 Pin Connector

General Specifications

Size: 8.0" H \times 3.6" W \times 1.5" D; Weight: 1 lb

Power: 9V battery

Supplied Accessories: Manual, Test leads, Holster, Temp adapter, "K" type temp probe, RS-232 cable and Software

[D981]

Volts DC

Ranges: 400mV, 4V, 40V, 400V, 1000V

Best Resolution: 100 μ V; Accuracy: $\pm (0.3\% \text{ Rdg} + 1d)$

Volts AC

Ranges: 400mV, 4V, 40V, 400V, 750V

Best Resolution: 100 μ V; Accuracy: $\pm (1.2\% \text{ Rdg} + 1d)$

Resistance

Ranges: 400 Ω , 4K Ω , 40K Ω , 400K Ω , 4M Ω , 40M Ω

Best Resolution: 100m Ω ; Accuracy: $\pm (0.7\% \text{ Rdg} + 2d)$

DC Current

Ranges: 4mA, 40mA, 400mA, 4A, 10A

Best Resolution: 0.1 μ A; Accuracy: $\pm (1.5\% \text{ Rdg} + 2d)$

AC Current

Ranges: 4mA, 40mA, 400mA, 10A

Best Resolution: 0.1 μ A; Accuracy: $\pm (2\% \text{ Rdg} + 5d)$, 50Hz to 500Hz

Capacitance

Ranges: 4nF, 40nF, 400nF, 4 μ F, 40 μ F

Best Resolution: 1pF; Accuracy: $\pm (5\% \text{ Rdg} + 2d)$

Frequency

Ranges: 100Hz, 1KHz, 10KHz, 100KHz, 1MHz

Best Resolution: 0.01Hz; Accuracy: $\pm (0.1\% \text{ Rdg} + 10d)$

Input Sensitivity: 300mV

Temperature

Range: -20 to 1370 $^{\circ}$ C (0 to 2000 $^{\circ}$ F)

Thermocouple: K type

Display: $^{\circ}$ F or $^{\circ}$ C; Accuracy: $\pm (5^{\circ}\text{F} + 2d)$ up to 225 $^{\circ}$ F

Continuity Test

Buzzer: sounds at less than 40 Ω resistance

Diode Test

Open Circuit Voltage: 3.2V

Test Current: 1mA; Accuracy: $\pm (2\% \text{ Rdg} + 2d)$

General Specifications

Size: 7.3" H \times 3.3" W \times 1.3" D; Weight: 11 oz

Power: 9 V battery

Supplied Accessories: Manual, Holster, Probes with Alligator clips, "K" type temp. probe, 9 Volt battery