

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 Bargraph and Data Hold
- Temperature, Frequency and Capacitance measurements
- Min/Max and relative modes
- Auto power off
- 10MΩ input impedance



D981



SPECIFICATIONS ■

[506]

Volts DC

Ranges (5): 400mV to 1000V

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

Volts AC

Ranges (5): 400mV to 750V

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

DC Current

Ranges: 400μA, 400mA, 20A

Best Resolution: 0.1μA; Accuracy: $\pm (1\% \text{ Rdg} + 2\text{D})$

AC Current

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

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

Resistance

Ranges (6): 400Ω to 40MΩ

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

Decibel

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

Continuity

Buzzer: Sound at $< 100\Omega$. Display Will Read: Shrt when $R < 100\Omega$; Open when $R > 100\Omega$

Diode

Display Will Read: Shrt when $V < 0.5\text{V}$; Good when $V = 0.5\text{V}$ to 1V; Open when $V > 1\text{V}$

Frequency

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

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

Temperature

Range: -17 to 1200°C (0 to 2000°F)

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

Logic Probe

TLL Level Display Will Read: Lo when V is $< 0.8\text{V}$;

Hi when V is $> 2.0\text{V}$; when V is 0.8V to 2.0V

Capacitance

Range: 0 to 100μF

Resolution: 0.01μF; Accuracy: $\pm (3\% \text{ Rdg} + 5\text{D})$

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: 100μV; Accuracy: $\pm (0.3\% \text{ Rdg} + 1\text{D})$

Volts AC

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

Best Resolution: 100μV; Accuracy: $\pm (1.2\% \text{ Rdg} + 1\text{D})$

Resistance

Ranges: 400Ω, 4KΩ, 40KΩ, 400KΩ, 4MΩ, 40MΩ

Best Resolution: 100mΩ; Accuracy: $\pm (0.7\% \text{ Rdg} + 2\text{D})$

DC Current

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

Best Resolution: 0.1μA; Accuracy: $\pm (1.5\% \text{ Rdg} + 2\text{D})$

AC Current

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

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

Capacitance

Ranges: 4nF, 40nF, 400nF, 4μF, 40μF

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

Frequency

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

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

Input Sensitivity: 300mV

Temperature

Range: -20 to 1370°C (0 to 2000°F) Thermocouple: K type

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

Continuity Test

Buzzer: sounds at less than 40Ω resistance

Diode Test

Open Circuit Voltage: 3.2V

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

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