

DER EE[®]

True RMS Multimeter

ISO 9001

CE

- LCD Display : 6700 Counts
- Response to AC bandwidth ... max. 10kHz
- Peak response time is around 0.6ms
- Max / Min / Avg hold **with real time**
- Clamp Sensor: AC/DC 600A/67A.(DE-711) (Optional)
- Backlight....Blue
- Zero set for capacitance($\text{H}\ddot{\text{t}}$)
- Auto hold / Data hold
- Auto power off selection
- Auto range & manual range
- Large LCD with two displays
- Bar graph Display
- Simultaneous display of measuring and meter interior temperature
- Sampling rate : Approx. 4 times per second
- Overload protection with audible alarm
- **Safety standard :**
IEC 61010-1 CAT. IV 600V
IEC 61010-1 CAT. III 1000V

- **Operating** : 0°C~50°C(32°F~122°F) <80% R.H.(without condensation)
- **Storage** : -10°C~60°C(14°F~140°F) <70% R.H.(without condensation)

• Dimension : 188(L)x95(W)x52(H)mm (7.4"x3.74"x2")

• **Accessories :**

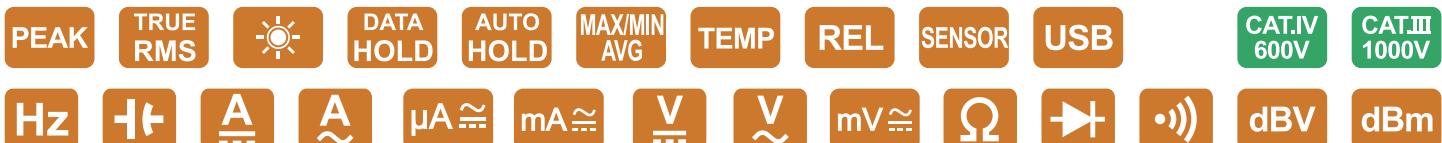
- Instruction Manual 1
- 9V Battery 1
- Test Leads (black + red) 1

• **Optional Accessories :**

- IR-USB interface adaptor..... 1
- USB cable..... 1
- USB software CD..... 1
- Clamp sensor (DE-711)..... 1
- K-TYPE temperature adapter (NR-38)..... 1
- K-TYPE thermocouple 1



DE-208A



MEASUREMENT RANGES

(23°C±5°C, 80% R.H. MAX.)

Model : DE-208A

Measurement	Range	Resolution	True RMS Accuracy			OL display	Input Resistance
			40Hz to 1kHz	1kHz to 3kHz	3kHz to 10kHz		
V AC Voltage (valid ≥ 200 cts)	6.700V	0.001V	0.8%+3	1.0%+3	2.0%+3	>6700 counts >1050V : OL + beep in urgent sounds + LCD flashing.	Approx. 10MΩ
	67.00V	0.01V					
	670.0V	0.1V					
	1000V	1V		1.0%+3	—		

*RMS value detection, sine wave

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	670.0mV	0.1mV					

*RMS value detection, sine wave

Measurement	Range	Resolution	Accuracy			OL display	Open Circuit Voltage
			40Hz to 1kHz	1kHz to 3kHz	3kHz to 10kHz		
Ω Resistance	670.0Ω	0.1Ω	0.5%+5	>6700 counts	<1.2V		
	6.700kΩ	0.001kΩ					
	67.00kΩ	0.01kΩ					
	6.700MΩ	0.001MΩ					

Measurement	Range	Resolution	Remarks	OL display	Open Circuit Voltage
• Continuity	670.0Ω	0.1Ω	Buzzer On < 30Ω±3Ω	>670.0Ω	<1.2V

Measurement	Range	Resolution	Accuracy	OL display	Open Circuit Voltage
► Diode	2.400V	0.001V	1.0%+2	>2400 counts	<2.5V

Measurement	Range	Resolution	Accuracy			OL display
			40Hz to 1kHz	1kHz to 3kHz	3kHz to 10kHz	
HF Capacitance	20.00nF	0.01nF	1.2%+5	>2000 counts	>3000 counts	
	2.000nF	0.001nF				
	20.00μF	0.01μF				
	2.000μF	0.1μF				

Measurement	Range	Resolution	Accuracy			OL display
			40Hz to 1kHz	1kHz to 3kHz	3kHz to 10kHz	
°C	-200.0°C to 200.0°C	0.1°C	0.5%+1°C	<-200.0 °C	>1370 °C	
	200°C to 370°C	1°C				
°F	-328.0 °F to 392.0 °F	0.1°F	0.5%+2°F	<-328.0 °F	>2498 °F	
	392 °F to 2498 °F	1°F				
Temperature of the interior of meter (at sub-display)			—			approx.<-20°C(-4°F) approx.>70°C(158°F) -OL display + beep

Measurement	Range	Resolution	Accuracy			OL display
			40Hz to 1kHz	1kHz to 3kHz	3kHz to 10kHz	
DC	670.0μA	0.1μA	0.2%+5	>6700 counts	<1.2V	
	6700μA	1μA				
	67.00mA	0.01mA				
	6.70.0mA	0.1mA				
A	6.7A	0.001A	0.5%+5	>20.1A: OL + beep in urgent sounds + LCD flashing when measure 11A ~ 20A > 30 sec. beep in continuity	>20.1A: OL + beep in urgent sounds + LCD flashing when measure 11A ~ 20A > 30 sec. beep in continuity	
	10A	0.01A				

Measurement	Range	Resolution	Accuracy			OL display
			40Hz to 1kHz	1kHz to 3kHz	3kHz to 10kHz	
AC (valid ≤200 cts)	670.0μA	0.1μA	0.6%+5	>6700 counts	<1.2V	
	6700μA	1μA				
	67.00mA	0.01mA				
	6.70.0mA	0.1mA				
A	6.7A	0.001A	1.5%+5	>20.1A: OL + beep in urgent sounds + LCD flashing when measure 11A ~ 20A > 30 sec. beep in continuity	>20.1A: OL + beep in urgent sounds + LCD flashing when measure 11A ~ 20A > 30 sec. beep in continuity	
	10A	0.01A				

*RMS value detection, sine wave

Measurement	Range	Resolution	Accuracy			OL display
			40Hz to 1kHz	1kHz to 3kHz	3kHz to 10kHz	
dB V / dB m valid:sub-display	-54 ~ -3dB V (mV)	0.01 dB V/dB m	0.15dB V / dB m (1000V Range)	0.17dB V / dB m	0.26dB V / dB m	>6700 counts (sub-display)
	-52 ~ -1dB m					
	-13 ~ 60dB V (V)					
	-11 ~ -62dB m					

 Specifications and appearance may be revised if needed without any prior notice. Any further product info, please contact us.

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