

AUTORANGING DIGITAL MULTIMETER MS8221/MS8221C/MS6231

MS8221

VOLTAGE AC 600V
DC 200V

CURRENT AC 10A
DC 10A



MS8221C

VOLTAGE AC 600V
DC 600V

CURRENT AC 10A
DC 10A



MS6231

VOLTAGE AC 600V
DC 600V

CURRENT AC 10A
DC 10A



Features:

- ▶ Autoranging and 2000 counts LCD Display
- ▶ MS8221: Battery Tester 1.5V/3V/9V
- ▶ Tests AC/DC Voltage and Current, Resistance and Capacitance
- ▶ AC/DC Current Measurement with Optional Clamp
- ▶ Type-K thermocouple contact temperature measurement
- ▶ Engine Analyzer: DWELL and TACH Test (MS6231)



Specifications

Specifications	Range	MS8221 Accuracy	MS8221C Accuracy	MS6231 Accuracy
DC Voltage	200mV/2V/20V/200V/600V	±(0.7%+2)	±(0.7%+2)	±(0.7%+2)
AC Voltage	200mV/2V/20V/200V/600V	±(0.8%+3)	±(0.8%+3)	±(0.8%+3)
DC Current	200µA/2000µA/20mA/200mA	±(1.2%+3)	±(1.2%+3)	±(1.2%+3)
	10A	±(2.0%+10)	±(2.0%+10)	±(2.0%+10)
DC Current with Clamp(Optional)	200A/2000A	±(3.0%+3)	±(3.0%+3)	±(3.0%+3)
AC Current	200µA/2000µA/20mA/200mA	±(1.5%+5)	±(1.5%+5)	±(1.5%+5)
	10A	±(3.0%+10)	±(3.0%+10)	±(3.0%+10)
AC Current with Clamp(Optional)	200A/2000A	±(3.5%+5)	±(3.5%+5)	±(3.5%+5)
Resistance	200Ω/2KΩ/20KΩ/200KΩ/2MΩ/20MΩ	±(1.0%+3)	±(1.0%+3)	±(1.0%+3)
Capacitance	20nF/200nF/2µF/20µF/200µF/1000µF		±(4.0%+3)	
Temperature(°C)	-20°C~1000°C	±(2%+2)	±(2%+2)	±(2%+2)
Temperature(°F)	-4°F~1832°F	±(2%+4)	±(2%+4)	±(2%+4)
DWELL Test	4CYL/6CYL/8CYL			●
TACH Test	4CYL/6CYL/8CYL			●
Features				
Display	counts	2000	2000	2000
Auto Ranging		●	●	●
Battery Test	3 types: 1.5V, 3V, 9V	●	●	●
Transistor hFE	0~1000	●	●	●
Diode	2.7V	●	●	●
Continuity Buzzer	<50Ω	●	●	●
MAX		●	●	●
Data Hold		●	●	●
Display Backlight		●	●	●
General				
Power Supply	3×1.5V AAA Batteries			
Product Size	158mm×71mm×36mm/6.2"×2.8"×1.4"			
Product Weight	215g/0.47lb			
Safety Rating	CAT.III 600V			