

CM 2001



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Technical data

Model	Accuracy		
DC voltage	600mV/6V/60V	600mV/6V/60V	±(0.5%+7)
	600V/1000V	600V/1000V	±(1.0%+10)
AC voltage	6V/60V	6V/60V	±(1.0%+10)
	600V/750V	600V/750V	±(1.0%+12)
Low impedance	6V/60V	6V/60V	±(1.0%+10)
	300V	300V	±(1.0%+12)
DC current	600A/2000A	600A/2000A	±(4.0%+10)
	600A/2000A	600A/2000A	±(4.0%+10)
AC current	600A/2000A	600A/2000A	±(4.0%+10)
	600A/2000A	600A/2000A	±(4.0%+10)
Resistance	20MΩ	20MΩ	±(1.5%+15)
	60MΩ	60MΩ	±(2.5%+20)
Capacitance	1nF	1nF	±(5.0%+40)
	10nF/100nF/1μF/10μF/100μF/1mF/10mF	10nF/100nF/1μF/10μF/100μF/1mF/10mF	±(5.0%+10)
Frequency	10Hz~10MHz	10Hz~10MHz	±(0.3%+3)
Duty cycle	10.0%~90.0%	10.0%~90.0%	±(0.3%+3)
Temperature	(-20~1000)°C/(-4~1832)°F		±(2.0%+5)

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General functions			
Display mode	LCD display	DC current reset	CM 2005 Only
Maximum display	5999	Relative value	√
Diode/on-off	√	Operating humidity	(0~40)°C <75%RH
NCV	√	Storage temperature	(-10~50)°C <80%RH
Data retention	√	Over range display	Highest display OL
Low voltage prompt	√	AC frequency response	40~1kHz
Line of fire judgment	√	Jaw opening	58mm dia
Flashlight lighting	√	Maximum traverse	52mm dia
Max/Min	6052 only	Input impedance	10MΩ
Automatic shutdown	√	Power Supply	AAA*2 batteries
V.F.C	6050 only	Product size	273*102*47mm
Surge current	6050 only	Product weight	About 420g

Technical data

Basic function	Range	Accuracy
DC Voltage	400mV/4V/40V/400V	±(0.5%+4d)
	1000V	±(1.0%+6d)
DC Current	40A	±(3%+8d)
	400A	±(2.5%+8d)
	1000A	±(3%+10d)
AC Voltage	400mV	±(1.6%+8d)
	4V/40V/400V	±(0.8%+10d)
	750V	±(1.0%+10d)
AC Current	40A	±(3.0%+10d)
	400A	±(2.5%+8d)
	1000A	±(3%+10d)
Resistance	400Ω	±(0.8%+5d)
	4kΩ/40kΩ/400kΩ/4MΩ	±(0.8%+4d)
	40MΩ	±(1.2%+10d)
Capacitance	4nF	±(3.5%+30d)
	40nF/400nF/4μF/40μF	±(3.0%+10d)
	100μF	±(5.0%+10d)
Frequency	9.999Hz/99.99Hz/999.9Hz/9.999kHz/99.99kHz	±(0.5%+4d)

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Technical data

FUNCTION	Accuracy	
DCV	600mV/6V/60V	±(0.5%+7)
	600V	±(1.0%+20)
ACV	6V/60V	±(0.8%+10)
	600V	±(1.2%+25)
LOW INPEDANCE	6V/60V	±(0.8%+10)
	300V	±(1.0%+12)
ACV	60A/600A	±(4.0%+10)
	60A/600A	±(4.0%+10)
DCA	600Ω/6kΩ/60kΩ/600kΩ/6MΩ	±(1.0%+5)
	20MΩ	±(1.5%+15)
	60MΩ	±(2.5%+20)
RESISTANCE	6nF	±(5.0%+40)
	60nF/600nF/6μF	±(5.0%+10)
CAPACITANCE	60μF/600μF/6mF	
	10Hz/100Hz/1kHz/10kHz/100kHz/1MHz/10MHz	±(0.3%+3)
FREQUENCY	-20°C~1000°C	/
TEMPERATURE	(-4~1832)°F	

Display method	LCD display	Max/Min	√
Maximum display	5999 count	Low Z	√
Diode measurement	√	Working temperature and humidity	(0~40)°C <75%
Data retention	√	Storage temperature and humidity	(-10~50)°C <80%
NCV measurement	√	Automatic shut-down	About 15 minutes
Fire detection	√	Over-range display	the highest digit displays OL
Low voltage warning	√	Unit symbol	√
Flashlight lighting	√	Open jaws	35mm
True effective value	√	input resistance	10MΩ
INRUSH	√	Sampling rate	3 times/sec
VFC	√	power supply	Two AAA batteries

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CM 2005

Technical data

Basic functions	Range	Basic accuracy
DC voltage	200mV/2V/20V/200V/1000V	±(0.5%+4)
AC voltage	200mV/2V/20V/200V/1000V	±(0.8%+10)
AC Current	40A/400A/1000A	±(3.0%+10)
DC Current	40A/400A/1000A	±(3.0%+8)
Resistance	400Ω/4kΩ/40kΩ/400kΩ/4MΩ/40MΩ	±(0.8%+4)
Capacitor	4nF/40nF/400nF/4μF/40μF/200μF	±(3.5%+8)
Frequency	4Hz/40Hz/400Hz/4kHz/40kHz/400kHz/4MHz/30MHz	±(0.5%+10d)
Special features		
Diode test	√	
On-off alarm	√	
Low Voltage Display	√	
Data hold	√	
Automatic power-off	√	
Function protection	√	
Automatic negative polarity	√	
Input Impedance	10MΩ	
Sampling frequency	3 times/s	
AC Current Frequency	(40~400)Hz	
Mode of operation	Auto Range	
Maximum display	3999	
Jaw open	55mm	
Power	9V (6F22)	

General Characteristics

Colors	Case: black
Weight	Approx 388g include 9V battery
Standard accessories	Test leads, battery, instruction manual, TP01 temperature probe (-40°C ~250°C)
Standard inner packing	Color box
Carton size	210×73×39mm

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