

TM197, TM199, Manual Range Digital Multimeter



▼ Feature
1. New type holster, streamline design
2. Large LCD makes reading easy and clear
3. Strong anti-magnetic and anti-jamming performance
4. Auto off within 30 minutes
5. Full protection function, anti high voltage circuit design (voltage dependent resistor 1300V)
6. Unit and function symbols display
7. Capacitance test range up to 2000uF
8. Relative value, frequency/duty cycle measuring, data hold.

▼ Specifications

Basic function	Range	Accuracy	
		TM197, 3 3/4 dig.	TM199, 3 6/7 dig.
DCV	400mV/4V/40V/200V/1000V	±(0.5%+4)	
	600mV/6V/60V/600V/1000V		±(0.5%+4)
ACV	4V/40V/400V/1000V	±(0.8%+6)	
	6V/60V/600V/1000V		±(0.8%+6)
DCA	400uA/4000uA/40mA/400mA/20A	±(1.0%+5)	
	600uA/6000uA/60mA/600mA/6A20A		±(0.8%+3)
ACA	400uA/4000uA/40mA/400mA/20A	±(1.5%+5)	
	600uA/6000uA/60mA/600mA/6A20A		±(1.5%+10)
Resistance	400Ω/4kΩ/40kΩ/400kΩ/4MΩ/40MΩ	±(0.8%+1)	
	600Ω/6kΩ/60kΩ/600kΩ/6MΩ/60MΩ		±(0.8%+5)
Capacitance	4nF/40nF/400nF/4uF/40uF/400uF/2000uF	±(3.5%+8)	
	40nF/400nF/4uF/40uF/400uF/2000uF		±(3.5%+8)
Frequency	100Hz/1kHz/10kHz/100kHz/1MHz/30MHz	±(0.5%+4)	
	100Hz/1kHz/10kHz/100kHz/1MHz/60MHz		±(0.5%+4)

Special function	TM197	TM199
Diode test	√	√
hFE test	√	√
Analog bar		√
Continuity alarm	Less than 30Ω±10Ω	Less than Ω±10Ω
Low battery indication	Less than 2.4V	Less than 2.4V
Data hold	√	MAX, MIN, HOLD
Auto off	Approx.15 minutes	Approx.15 minutes
Function protection	√	√
Anti-shock protection	√	√
Input impedance	10MΩ	10MΩ
Sampling rate	3 times/Sec.	3 times/Sec.
AC frequency response	40-400Hz	40-400Hz
Operation mode	Manual range	Manual range
Max. display	4000	6000
LCD size	65x41mm	65x41mm
Power	2x1.5V AAA	2x1.5V AAA
Power dissipation	Quiescent current: approx.2mA	Quiescent current: approx.2mA
Size	185x93x35mm	185x93x35mm
Net weight	290g (including battery)	290g (including battery)