



cmt 3503 / cmt 3507

cmt 3503



40,000/4,000 count extra large digital display
 43 segments analog bar graph
 Auto Backlit, Dual display
 Auto AC, DC and AC+DC on Voltage & Current mode with Frequency indication
 Auto selection on Ohm, Diode or Continuity
 On-Screen-Menu Selection
 Navigator Key Drive
 High Frequency Rejection (HFR)
 0.03% DCV accuracy
 AC+DC True RMS indication
 0.5 ms Peak Hold
 Auto Hold
 Store/Recall memories
 dBm/dB measurement
 20000 records data logging capacity
 All Weather Housing
 Optical USB interface with Software included
 Included with Magnetic Hanging kit
 CAT. IV 600V/CAT. III 1000V standard

cmt 3507



NEW

50,000 count extra large digital display
 Auto Backlit, Dual display
 Auto AC, DC and AC+DC on Voltage & Current mode with Frequency indication
 Auto selection on Ohm, Diode or Continuity
 On-Screen-Menu Selection
 Navigator Key Drive
 High Frequency Rejection(HFR)
 Auto Hold
 0.05% DCV accuracy
20 mA DC current source / loop calibrator / simulator
Manual Step (100%, 25%, Coarse, Fine) plus Auto Step and Auto Ramp
HART mode setting with Loop Power
 Optical USB interface with Software included
 Included with Magnetic Hanging kit
 CAT. IV 600V/CAT. III 1000V standard

FEATURES:	cmt 3503	cmt 3507
Digital display	4,000/40,000 count	50,000 count
Analog Bar graph Segments	43	N/A
Self-Calibration	.	.
True RMS reading	AC, AC+DC, HFR AC	AC, AC+DC, HFR AC
Auto Backlit, Dual Display	.	.
Auto detect AC, DC and AC+DC on Voltage & Current mode with Frequency indication	.	.
Auto Selection on Ohm, Capacitance, Diode or Continuity	.	.
On-Screen-Menu Selection	.	.
Navigator Key Drive	.	.
High Frequency Rejection (HFR)	.	.
Peak Hold	.	N/A
Auto Hold	.	.
MIN/MAX/AVG	.	.
Relative Mode	.	.
Duty Cycle	.	N/A
Store/Recall memories	100	100
dBm/dB measurement	.	N/A
Data Logging Capacity	20,000	N/A
Log rate setting	.	N/A
Optical interface	.	.
Automatic power shut off with selectable time	.	.
Beep Guard with Auto fuse detection	.	.
All weather housing	.	.
Full Accessories	.	.

SPECIFICATIONS:(All at 23°C ±5°C, ≤ 80% R.H.) The following spec. are listed for maximum display count mode.

	cmt 3503	cmt 3507
DCV :	Ranges	40mV to 1000V
	Resolution	0.001mV
	Basic Accuracy	±(0.03%+20d)
ACV :	Ranges	40mV to 1000V
	Resolution	0.001mV
	Basic Accuracy	±(0.70%+50d)
	Bandwidth	40Hz to 100kHz
(AC+DC)V :	Overload Protection : 1000V rms	.
	Ranges & Resolution : Same as ACV, except Accuracy	.
	Ranges	40mA to 10A
DCA :	Resolution	1uA
	Basic Accuracy	±(0.2%+4d)
	Input Protection : 440mA/1000V & 11A/1000V DC/AC high energy fuse	.
ACA :	Ranges	40mA to 10A
	Resolution	1uA
	Basic Accuracy	±(0.8%+80d)
	Bandwidth	40Hz to 100kHz
(AC+DC)A :	Input Protection : 440mA/1000V & 11A/1000V DC/AC high energy fuse	.
	Ranges & Resolution : Same as ACA, except Accuracy	.
	Ranges	400Ω to 40MΩ
OHM :	Resolution	0.01Ω
	Basic Accuracy	±(0.2%+30d)
	Continuity & Diode Test : <50Ω 2kHz Tone Buzzer, Open Circuit Voltage : ±3V	.
Frequency Counter :	Ranges	40Hz to 4MHz
	Resolution	0.001Hz
	Basic Accuracy	±(0.002%+1d)
Duty Factor :	Ranges	20% to 80%
	Resolution	0.1%
	Basic Accuracy : 5Hz to 10kHz, 5Vp-p	±(0.1%+10d)
Capacitance :	Ranges	40nF to 40mF
	Resolution	0.01nF
	Basic Accuracy	±(0.9%+2d)
°C/°F	Ranges	-200°C to 1200°C
	Resolution : 0.1°C, Basic Accuracy : ±(1%+1°C)	.
	Overload Protection : 1000V rms	.
Output : Source Mode :	Ranges	N/A
	Resolution	1uA
	Basic Accuracy	±2d
(Int. Battery Operation)	Driver	>24V / 24mA / 1.2kΩ
	Output : Simulate Mode :	0mA to 24mA
	Resolution	1uA
(Ext. 24V Loop Supply)	Basic Accuracy	±2d
	Driver	>24V / 24mA / 1kΩ
	Output : Loop Power Mode :	50mA
	Resolution	1uA
	Basic Accuracy	±(0.05%+2d)
	Driver	>24V / 24mA / 250Ω

GENERAL:

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Sampling Rate	3times/sec	6times/sec
Overload Indication: "OL" or "-OL"	.	.
Low Battery Indication	□	□
Auto Power Off: Selectable from off, 1~ 60 minutes, Default 30 minutes	.	.
Operating Temperature: 0°C ~ 50°C, ≤80% RH	.	.
Storage Temperature: -20°C ~ 60°C	.	.
Temperature Coefficient: 0.15 (Spec. Acc) / °C, <18°C or >28°C	.	.
Safety: IEC 61010 and designed to meet UL61010 specifications	CAT. IV. 600V, CAT. III 1000V	CAT. IV. 600V, CAT. III 1000V
Power Requirement: AA size 1.5V x 4 batteries (NEDA 15A or IEC LR6)	.	.
Battery Life: In hours (Alkaline battery)	100	100
Size: 95mm(W) x 200mm (L) x 51.20 mm(H), without holster	.	.
Weight: In grams (with holster)	620	620
Accessories: Test Leads, Alligator Clips, Temp. Adaptor, Bead probe, Protective Holster, USB cable, WinDMM 500 Software, Magnetic Hanging Kit, Alkaline batteries (installed) and manual	.	.

Specifications subject to change without notice.



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