



**TM-81                      TM-82                      TM-86                      TM-87 TRMS                      TM-88 TRMS**

	TM-81	TM-82	TM-86	TM-87	TM-88
Overvoltage Category	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V
Trms	-	-	-	✓	✓
LCD	1999 counts	1999 counts	3999 counts	3999 counts	3999 counts
Sampling rate	2.5/s	2.5/s	2.5/s	2.5/s	2.5/s
Backlit	-	YES	YES	YES	YES
Bargraph	-	-	-	YES	YES
Auto power off	✓	✓	✓	✓	✓
DC Voltage	0.1mV~600V (0.8%+1)	0.1mV~600V (0.8%+1)	0.1mV~600V (0.8%+2)	0.1mV~1000V (0.5%+2)	0.1mV~1000V (0.5%+2)
AC Voltage	0.001V~600V (1.5%+3)	0.001V~600V (1.5%+3)	0.001V~600V (0.8%+3)	0.1mV~750V (1.3%+5)	0.1mV~750V (1.3%+5)
DC Current	-	-	0.01A~10A(1.2%+3)	0.1μA~10A (1.0%+3)	0.1μA~10A (1.0%+3)
AC Current	-	-	0.01A~10A(1.2%+3)	0.1μA~10A (1.5%+5)	0.1μA~10A (1.5%+5)
Resistance	200Ω, 2K, 20K, 200K, 2M, 20MΩ	200Ω, 2K, 20K, 200K, 2M, 20MΩ	400Ω, 4K, 40K, 400K, 4M, 40MΩ	400Ω, 4K, 40K, 400K, 4M, 40MΩ	400Ω, 4K, 40K, 400K, 4M, 40MΩ
Accuracy	±(1.0%+3)	±(1.0%+3)	±(1.0%+2)	±(1.0%+2)	±(1.0%+2)
Protection	600Vrms	600Vrms	600Vrms	1000Vrms	1000Vrms
Continuity buzzer	YES	YES	YES	YES	YES
Diode test	YES(1.5V)	YES	YES	YES	YES
Frequency	-	-	0.01Hz~99.99KHz	1Hz~100KHz	
Accuracy	-	-	±(1.0%+5)	±0.1%+2dgt	
Duty cycle	-	-	20~80%	-	-
Capacitance	-	-	5n, 50n, 500n, 5μ, 50μ, 100μF	4n, 40n, 400n, 4μ, 40μ, 400μ, 4m, 40mF	4n, 40n, 400n, 4μ, 40μ, 400μ, 4m, 40mF
Accuracy	-	-	±(3%+5)	±(1%+5)	±(1%+5)
Temperature	-	-40~800°C -40°F~1382°F	-	-	-40~800°C -40°F~1382°F
Accuracy	-	°C(±2%+3), °F(±2%+5)	-	-	°C(±2%+3), °F(±2%+5)
Range hold	✓	✓	✓	✓	✓
Data hold	✓	✓	✓	✓	✓
Max	✓	✓	-	Max/Min	Max/Min
Peak hold	-	-	-	✓	✓
REL	-	-	✓	✓	✓
Accessories: Carrying case, test leads,manual, battery	●	● T10 Temp adapter	●	●	● T10 Temp adapter

\*Top and bottom shell are double injection (ABS+TPR)