

**NEW**  
**MULTIMETERS**



*NEW*

Model no.	TM-81	TM-82	TM-86	TM-87	TM-88
Overvoltage Category	CAT IV 600V	CAT IV 600V	CAT IV 600V	CAT IV 600V	CAT IV 600V
	CAT III 1000V	CAT III 1000V	CAT III 1000V	CAT III 1000V	CAT III 1000V
Trms	-----	-----	-----	YES	YES
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	YES	YES	YES	YES	YES
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~1000V(1.3 %+5)	0.1mV~1000V(1.3 %+5)
DC Current	-----	-----	0.01A ~10A(1.2%+3)	0.1uA~10A(1.0%+ 3)	0.1uA~10A(1.0%+ 3)
AC current	-----	-----	0.01A ~10A(1.2%+3)	0.1uA~10A(1.5%+ 5)	0.1uA~10A(1.5%+ 5)
Resistance (Ohm)	200, 2k, 20k, 200k, 2M, 20M	200, 2k, 20k, 200k,	400, 4k, 40k, 400k, 4M, 40M	400, 4k, 40k, 400k, 4M, 40M	400, 4k, 40k, 400k, 4M, 40M
Accuracy	(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 ~40MHz	1Hz ~40MHz
Duty Cycle Accuracy	-----	-----	20 - 80 % jO(1.0%+5)	-----	-----
Capacitance	-----	-----	5n,50n,500n,5u,50 u,100uF	4n,40n,400n,4u,40 u,400u,4m,40mF	4n,40n,400n,4u,40 u,400u,4m,40mF
Accuracy	-----	-----	+/- (3%+5)	+/- (1%+5)	+/- (1%+5)

<b>Temperature</b>	-----	-40~ 800 Celsius degree 40~1382 Fahrenheit degree	-----	-----	-40~ 800 Celsius degree 40~1382 Fahrenheit degree
<b>Range Hold</b>	YES	YES	YES	YES	YES
<b>Data hold</b>	YES	YES	YES	YES	YES
<b>Max</b>	YES	YES	-----	Max/Min	Max/Min
<b>Peak hold</b>	-----	-----	-----	YES	YES
<b>REL</b>	-----	-----	YES	YES	YES
<b>Accessories:</b>	- Carrying case	- Carrying case	- Carrying case	- Carrying case	- Carrying case
	- Test leads	- Test leads	- Test leads	- Test leads	- Test leads
	- Manual	- Manual	- Manual	- Manual	- Manual
	- Battery	- Battery	- Battery	- Battery	- Battery
		Optional:			Optional:
	T10 Temp adapter			T10 Temp adapter	