

TM-507



240(L)X100(W)X45(H)mm



Auto Discharge

Standard : EN61557
EN61010-1 CAT IV 600V.

Display :

- 4 digits LCD display.
- Polarity indication : Automatic polarity, "—" display for negative input.
- Low battery indication :

Functions :

- Function key : POWER, GO, ZERO, LOCK, BACKLIT.
- Continuity test.
- Measures high insulation resistance
- Measures DC voltage (0V~600V), AC Voltage (0V~600V).
- Auto discharge.
- Auto power off with disable function.

DC voltage measurement

Range	Resolution	Accuracy	Input impedance	Overload protection
0.1 - 600.0V	0.1 V	±(0.5% rdg + 1 dgt)	3MΩ	605V AC max RMS

AC voltage measurement

Range	Resolution	Accuracy	Input impedance	Overload protection
0.1 - 600.0V	0.1 V	±(0.8% rdg + 4 dgt)	3MΩ	605V AC max RMS

Max crest factor : $\sqrt{2}$

Resistance measure / Test Continuity with buzzer

Range	Resolution	Accuracy	Overload protection
0.1 - 199.9Ω	0.1Ω	±(2.0% rdg + 3 dgt)	605V AC max RMS per 1 minute

The buzzer sounds while measured resistance is lower than 30Ω.

Ω 0.2A : Continuity of protection conductors

Range	Resolution	Accuracy	Overload protection
0.01 - 19.99Ω	0.01Ω	±(2.0% rdg + 3 dgt)	605V max RMS

Test current : >200mA DC up to 5Ω (measuring cables resistance included)

Test current : >45mA DC over 5Ω (measuring cables resistance included)

Open circuit voltage : $4 < V_0 < 24V$

MΩ:Insulation resistance (Auto Range)

Test voltage	Range	Resolution	Accuracy	Overload protection
250V	0.001-0.100MΩ	0.001MΩ	±10 dgt	605V max RMS
	0.101-3.999MΩ	0.001MΩ	±(2.0% rdg + 5 dgt)	
	4.00-39.99MΩ	0.01MΩ	±(2.0% rdg + 5 dgt)	
	40.0-399.9MΩ	0.1MΩ	±(5.0% rdg + 5 dgt)	
	400-1000MΩ	1MΩ	±(5.0% rdg + 5 dgt)	
500V	0.001-0.250MΩ	0.001MΩ	±15 dgt	605V max RMS
	0.251-3.999MΩ	0.001MΩ	±(2.0% rdg + 5 dgt)	
	4.00-39.99MΩ	0.01MΩ	±(2.0% rdg + 5 dgt)	
	40.0-399.9MΩ	0.1MΩ	±(5.0% rdg + 5 dgt)	
	400-2000MΩ	1MΩ	±(5.0% rdg + 5 dgt)	
1000V	0.001-0.250MΩ	0.001MΩ	±15 dgt	605V max RMS
	0.251-3.999MΩ	0.001MΩ	±(2.0% rdg + 5 dgt)	
	4.00 - 39.99MΩ	0.01MΩ	±(2.0% rdg + 5 dgt)	
	40.0-399.9MΩ	0.1MΩ	±(3.0% rdg + 5 dgt)	
	400-1000MΩ	1MΩ	±(3.0% rdg + 5 dgt)	
	1000-4000MΩ	1MΩ	±(5.0% rdg + 10 dgt)	



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