

## Pocket D.M.M

DE-17 / DE-18



DE-17



DE-18

### SPECIFICATIONS:

- **LCD Display** : 3 3/4 digits LCD Display with 4300 Counts
- **Sampling Reading Rate**: Approx. 2 Times / Sec.
- **Overload "OL"** Display on LCD & Beep
- **Low Battery**: Symbol Display
- **Battery**: LR-44x2 or SR-44x2
- **Safety Standards**: IEC 61010 600V CATII 300V CATIII

### TEMP. / HUMIDITY:

- **Operation**: 0~50°C (32°F~122°F) / Below 80% R.H. (no condensation)
- **Storage**: -10~60°C (14°F~140°F) / Below 70% R.H. (no condensation)

### FEATURES :

- Pocket Size
- 4300 Counts LCD Display
- Auto Hold
- Auto Range
- Auto Power Off Selection
- One Touch To Zero Set For Capacitor (DE-18)
- Low Power Consumption
- Low Battery Indication
- High Accuracy
- Test Leads Easy To Take Out & Store In
- Easy Operation

### DIMENSION & WEIGHT:

- 117(L) x 76(W) x 18(H)mm (4.61"x2.99"x0.71")
- Approx. 110g(0.24 lbs.) (Including Batteries)

### ACCESSORIES:

- Instruction Manual ..... 1
- LR-44 Button Cell (installed)..... 2
- Test Lead (black + red attached with Meter)... 1

### MEASUREMENT RANGES: (23°C ± 5°C, 80% RH MAX.)

\*Accuracy: ± (%rdg + dgt) \*N/A: not available

\*This range may produce readout error equivalent to several times their resolutions \*N/A: not available

Measurement	Range	Resolution	Accuracy		Input Resistance	Maximum Input Voltage
			DE-17	DE-18		
$\overline{V}$ (DCV)	400mV	0.1mV	1.2%+2		>100MΩ	600V
	4V	0.001V	0.7%+1		11MΩ	
	40V	0.01V	1.2% + 1		10MΩ	
	400V	0.1V				
	600V	1V				

\*Mean-value detection and rms-value calibration

Measurement	Range	Resolution	Accuracy		Input Resistance	Maximum Input Voltage
			DE-17	DE-18		
$\overline{V}$ (ACV)	4V	0.001V	2% + 5		11MΩ, <50pF	600V rms
	40V	0.01V				
	400V	0.1V				
	600V	1V				

Measurement	Range	Resolution	Accuracy		Measuring Current	Open-Loop Voltage	Maximum Input Voltage
			DE-17	DE-18			
$\Omega$	400Ω	0.1Ω	1.2% + 2		<1mA	<3.4V	600V
	4kΩ	0.001kΩ					
	40kΩ	0.01kΩ					
	400kΩ	0.1kΩ					
	4MΩ	0.001MΩ			2% + 3	<0.7V	
	40MΩ	0.01MΩ			5% + 3	<70nA	

Measurement	Range	Resolution	Accuracy		Open-Circuit Voltage	Maximum Input Voltage
			DE-17	DE-18		
$\bullet\text{  }$	400Ω	0.1Ω	The buzzer turns on for resistance lower than 50 ± 20Ω.		<3.4V	600V

Measurement	Range	Resolution	Accuracy		Open-Circuit Voltage	Maximum Input Voltage
			DE-17	DE-18		
$\rightarrow$	2V	0.01V	1.5% + 1 (for measuring currents smaller than 1.0mA)		<3.4V	600V

\*20nF range are values after zero calibration

Measurement	Range	Resolution	Accuracy	
			DE-17	DE-18
$\text{  }$	20nF	0.01nF	N/A	
	200nF	0.1nF		
	2μF	0.001μF		
	20μF	0.01μF		
	200μF	0.1μF		
			2% + 5	
			10% + 5	

Appearance and specification may be revised if needed without notice in prior.