

5 Digit 80,000 Count Digital Multimeter



81K, 81K-TRMS

Electrical Specifications

DC Voltage					
Range	Resolution	Accuracy	Note		
80mV	1µV	-(0.05%rdg+10)	Input impedance : 80mV - 800mV>1000M V 8V -1000V : 10MV		
800mV	10µV				
8V	0.1mV				
80V	1mV	-(0.08%rdg+10)			
800V	10mV				
1000V	0.1V				
AC Voltage (True RMS) for Model 81K-TRMS only					
Range	Resolution	Accuracy			
		50Hz / 60Hz	50Hz - 1kHz	1kHz - 10kHz	10kHz - 20kHz
80mV	1µV	-(0.8%rdg+10)	-(1.2%rdg+10)	-(3.0%rdg+10)	-(8.0%rdg+10)
800mV	10µV				-(5.0%rdg+10)
8V	0.1mV	50Hz - 400Hz: -(1.0%rdg+5)			
80V	1mV				
750V	10mV				
Input Impedance : 8mV - 800mV > 1000M V; 8V - 1000V 10 MV ; Parallel capacitance < 100pF					
AC Voltage Average(60Hz Sine Wave Calibrating)					
Range	Resolution	Accuracy			
		50Hz / 60Hz	50Hz - 1kHz	1kHz - 10kHz	10kHz - 20kHz
80mV	1µV	-(1.0%rdg+8)	-(1.5%rdg+8)	-(4.0%rdg+8)	-(8.0%rdg+8)
800mV	10µV				
8V	0.1mV	50Hz - 400Hz: -(1.0%rdg+5)			
80V	1mV				
750V	10mV				
Input Impedance : 8mV - 800mV > 1000M V; 8V - 1000V 10 MV ; Parallel capacitance < 100pF					
DC Current					
Range	Resolution	Accuracy	Note		
80mA	1µA	-(0.5%rdg+10)	Fuses : F 800mA/250V F 20A/250V Voltage drop : ≤ 800mV		
800mA	10µA				
8A	0.1mA				
20A	1mA				

Features

- | Multi-Display : Primary 80000, Secondary 80000, Bargraph 20 Segments
- | Basic DC Accuracy : 0.05%
- | mV Impedance : > 1000MOhm
- | More than 50 Measuring Functions
- | Frequency Measurement : 0.5Hz to 8.0000MHz
- | 16 Frequency Points, 1% to 99% Duty
- | Selectable Square Wave Output
- | Analyzing Component of Current or Voltage Signal
- | Resistance : 0.1Vto 80MV , 10MV to 8000MV
- | Capacitance : 1nF to 100uF
- | Temperature : -50°C to 1372°C, -58°F to 2502°F
- | dBm 20 Types of Reference Impedance
- | Auto Data Hold/Peak Hold
- | Relative Measurement
- | 36 Hours Dyanamic Recording : MAX/MIN/AVG/MAX-MIN
- | Communication : Isolated Optical RS-232
- | Timer for Measurement
- | Backlight Display
- | Auto Power Off

General Specifications

- | Power : 9V Battery
- | Weight : 650 gms (approx.)
- | Dimension : 190 (L) x 90 (W) x 37 (D) mm
- | Safety / Compliance : IEC 61010 CATII 1000V CATIII 600V
- | Accessories : Instruction Manual, Pair of Test Leads, Holster, Battery, RS-232 Interface Cable, K Type Thermocouple (upto 260°C) & Software CD

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