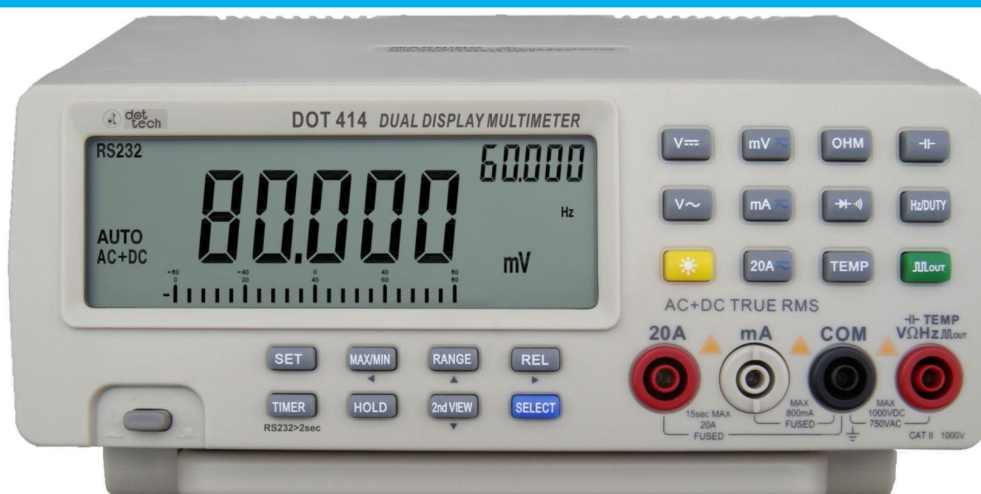




BENCH TOP MULTIMETER DOT 414 80000 COUNTS, RS 232



Features:

1. Large LCD, High contrast, wide visual angle LCD display, white backlight;
2. Dual-display: Main display 80000, Vice-display 80000, Analog bar 23 segments, unit, and function, symbol complete
3. 50 kinds of measuring function, With basic DCV, ACV, DCA, ACA, Ω , CAP, Hz, TEMP, diode and Continuity measuring function etc;
4. Frequency measuring can reach 80MHz;
5. Standard function generator: 18 kinds of frequency, 1%—99% Duty cycle, 1800 pes wave output;
6. Single analyzed: (AC+DC) measuring synchronous, (AC+ Hz) measuring synchronous, (DC+ dBm) measuring synchronous, (dBm + Hz) measuring synchronous, (Hz + Duty) measuring synchronous, ($^{\circ}\text{C} + ^{\circ}\text{F}$) displaying synchronous;
7. Resistance measuring: 0.01 Ω -80M Ω ;
8. Capacitance measuring: 10nF-100 μF ;
9. Temperature measuring: -50 $^{\circ}\text{C}$ -1372 $^{\circ}\text{C}$ / 58 $^{\circ}\text{F}$ -2502 $^{\circ}\text{F}$
10. dBm measuring: 20pcs load Resistance choice;
11. Auto data refurbish hold;
12. Positive, negative peak data auto hold;
13. 36 hours dynamic record: MAX, MIN, AVG, MAX-MIN;
14. Relative measuring: REL Δ , Relative percent: REL%;
15. 0.1%-99.9% pulse duty cycle measuring;
16. Set upper limit, lower limit area measuring;
17. Photo-electricity insulation RS-232 computer interface;
18. Timing measuring function;
19. AC measuring adopt High accuracy RMS, With measuring range and AC+DC function, can measuring the accuracy virtual value of AC by any wave.

DOT TECHNOLOGIES

(An ISO 9001:2015 Certified Company)

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Phone: +91 8970010661 /+91 7483641565

Dot414

Range	Resolution	Accuracy	
DC Voltage			
80mV	1 μ V	$\pm(0.3\% \text{ rdg}+10)$	
800mV	10 μ V	$\pm(0.05\% \text{ rdg}+5)$	
8V	0.1 mV		
80V	1 mV		
800V	10 mV		
1000V	0.1 V		
Input Impedance: 8mV-800mV>1000M Ω ,		8V-1000V 10 M Ω	
AC Voltage (True RMS)			
		<75% Range	>75% Range
80mV	1 μ V	50Hz-5KHz $\pm(0.8\% \text{rdg} +50)$	$\pm(3\% \text{rdg} +50)$
800mV	10 μ V	50Hz-20KHz $\pm(0.8\% \text{rdg} +50)$	$\pm(3\% \text{rdg} +50)$
8V	0.1 mV	50Hz-20KHz $\pm(0.8\% \text{rdg} +50)$	$\pm(3\% \text{rdg} +50)$
80V	1 mV	50Hz-20KHz $\pm(0.8\% \text{rdg} +50)$	$\pm(3\% \text{rdg} +50)$
750V	10 mV	50Hz-1KHz $\pm(0.8\% \text{rdg} +50)$ <90%range, $\pm(5\% \text{rdg} +50)$ >90%	
Input Impedance: 8mV-800mV>1000M Ω ,		8V-1000V	10 M Ω , Parallel capacitance <100pF
DC Current			
80mA	1 μ A	$\pm(0.2\% \text{rdg}+5)$	
800mA	10 μ A	$\pm(0.5\% \text{rdg}+5)$	
8A	0.1 mA		
20A	1 mA		
AC Current (True RMS)			
80mA	1 μ A	50Hz-5KHz $\pm(0.8\% \text{rdg}+50)$	
800mA	10 μ A	50Hz - 500Hz $\pm(1.0\% \text{rdg}+50)$	
8A	0.1 mA		
20A	1 mA		
Resistance			
800 Ω	0.01 Ω	$\pm(0.3\% \text{rdg}+10)$	
8k Ω	0.1 Ω	$\pm(0.3\% \text{rdg}+5)$	
80k Ω	1 Ω		
800k Ω	10 Ω		
8M Ω	100 Ω		
80M Ω	1 k Ω		
Frequency			
999.99Hz	0.01 Hz	$\pm(0.05\% \text{rdg}+5)$	
9.9999kHz	0.1 Hz		
99.999kHz	1 Hz		
999.99kHz	10 Hz		
8MHz	100 Hz		
10.0MHz	1 KHz	$\pm(0.1\% \text{rdg}+5)$	
100.0MHz	10 KHz		
1000.0MHz	100 KHz		
Rotational Speed (RPM)			
99999	1 RPM	$\pm(0.1\% \text{rdg}+5)$	
Diode			
0-3V	0.0001V	$\pm(3.0\% \text{rdg}+5)$	
dBm			
-80 to +80dBm	0.01dBm	$\pm 1.0\% \text{rdg}$	

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Dot414

Range	Resolution	Accuracy
Capacitance		
1 nF	1 pF	±(5.0%rdg+50)
10 nF	10 pF	±(2.5%rdg+50)
100 nF	100 pF	
1 μF	1 nF	
10 μF	10 nF	
100 μF	100 nF	
Temperature (K Thermocouple type)		
-50°C -1372°C /	0.1 °C	<0°C or 32°F ±(10%rdg +5°)
Square Wave Output (III Out)		
Voltage Amplitude	3V approx.	
Frequency	0.5Hz ~ 5000Hz	
Duty Cycle	1% ~ 99%	
Special		
Diode Test	√	
AC+DC measuring	√	
Continuity test	√	
Overloading protection	√	
Input Impedance	10MΩ	
Sampling frequency	4times/sec. Analog bar 40 times/sec.	
AC frequency response	40Hz-50kHz	
Operation way	Auto range	
Display	5 digits, Max display 80000 Counts	
Measurement category	Conform with IEC 6010, CAT II 1000V, CAT III 600V	
Computer interface	Photo-electricity insulation RS-232	
Power	AC220V/110V, 50Hz/60Hz	
Color	Cream-colored	
N.W.	1.4kg	
Dimension	250×220×82mm	
Accessories	Test leads, power cable, manual, TP01 temperature probe	

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