

**MULTIFUNCTION TEST SYSTEM YB9170**


Parameters	
Output wave	Sine, rectangular, triple, ramp, pulse, ttl level
Frequency range	1Hz~10MHz 7 steps
Output impedance	50Ω±10%/600Ω±10%
VCF Range	0~10VDC
attenuation	-20dB
Output Amplitude	2Vpp~20Vpp(Open), 1Vpp~10Vpp(50Ω)
DC offset	-10V~+10V
Sine distortion	< 1%(@1kHz )
Rectangular symmetry	< 3%(@1kHz )
Rise /fall time	< 30ns(5Vpp,1MHz)
Duty cycle adjust	20%~80%
linearity of triple	≤100kHz:< 1%
TTL rise/fall time	< 30ns(@1kHz )
TTL output level	> 3V
Sweep frequency time	20ms~2s
Sweep type	Linearity, log

Power Supply ( Fixed & Variable )					
Channel1		Channel 2		Channel 3	
Output voltage	Fixed 5V	Output voltage	Fixed ±15V	Output voltage	0~30V
Output current	2A	Output current	1A	Output current	0~3A
Ripple	< 2mVrms	Ripple	< 2mVrms	Ripple	< 1mVrms
Load offset	0.1%±70mV	Load offset	0.1%±50mV	Load offset	0.1%±40mV
Source offset	0.1%±30mV	Source offset	0.1%±30mV	Source offset	0.1%±20mV
Max. output current	2.2A	Max output current	1.2A	Max. current	3.3A
				Display accuracy	voltage:±1%+2 digit Current :±2%+2 digit
Frequency Counter				Frequency range	CH-A:1Hz~20MHz CH-B:20MHz~2.7GHz
				Input sensitivity	CH-A:40mVrms sine or100mVpp CH-B:40mVrms sine
				Max. input voltage	CH-A:35Vpp CH-B:3Vpp
				Input impedance	CH-A:1MΩ CH-B:50Ω
				Resolution	CH-A : 0.1Hz(10s) 1Hz(1s), 10Hz(0.1s) (0.1s@1kHz~20MHz) CH-B : 10Hz(10s) 100Hz(1s), 1kHz(0.1s)

<b>Digital Multimeter</b>			
(DCV)	Range	Resolution	Accuracy
	80mV	1μV	±(0.3%+5digit)
	800mV	10μV	
	8V	0.1mV	±(0.05%+5digit)
	80V	1mV	
	800V	10mV	±(0.08%+5digit)
	1000V	0.1V	
	80mV	1μV	±(0.8%+10digit)(50Hz~1kHz)
	800mV	10μV	±(4%+10digit)(1kHz~50kHz)
			±(0.8%+10digit)(50Hz~1kHz)
<b>Continuous table</b>			
ACV(Valid value)	Range	Resolution	Accuracy
	8V	0.1mV	±(5%+10digit)(1kHz~50kHz)
	80V	1mV	
	800V	10mV	±(0.5%+10digit)(50Hz~500Hz)
	1000V	0.1V	
(DCA)	80mA	1μA	
	800mA	10μA	
	8A	0.1mA	±(0.1%+5digit)
	20A	1mA	
ACA(True valid value)	80mA	1μA	
	800mA	10μA	
	8A	0.1mA	±(0.5%+5digit)(50Hz~500Hz)
	20A	1mA	
Resistance (Ω)	800Ω	0.01Ω	
	8kΩ	0.1Ω	
	80kΩ	1Ω	±(0.05%+3 digit)
	800kΩ	10Ω	
	8MΩ	100Ω	
	80MΩ	1kΩ	±(0.08%+3 digit)(0~40MΩ)
			±(2%+3 digit)(40MΩ~80MΩ)
Frequency (Hz)	99.999Hz	0.001Hz	
	999.99Hz	0.01Hz	
	9.9999kHz	0.1Hz	
	99.999kHz	1Hz	
	999.99kHz	10Hz	±(0.02%+2digit)
	9.9999MHz	100Hz	
	12.8MHz	100Hz	
	128.0MHz	1kHz	
	1300.0MHz	10kHz	
Rotate speed	99999	1RPM	±(0.02%+2digit)
Capacity	1nF	0.1pF	
	10nF	1pF	
	100nF	10pF	
	1μF	100pF	±(2%+3digit)
	10μF	1nF	
	100μF	10nF	
Diode	3.000V	0.001V	±(3%+2digit)
Rectangular output	Output	Range	
	Amplitude	3V	±0.2V
	Frequency	0.5Hz~5kHz	±0.02%
	Duty cycle	1%~99%	±(0.2%+3digit)
<b>Physical Characteristics</b>			
Dimension	165H×370W×360D(mm)		
Weight	Approx 12.5kg		

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