

**DDS Function Signal Generator**

**Features**

- 9 function waveform;
- high resolution:100uHz,8 digital display;
- PC interface(R232.GPIB);
- Windows wave edit and download software;
- 6 types arbitrary wave (32K/C);
- Large screen back light LCD display menu driven;
- Frequency sweep (linear, log).FSK. pulse filled,
- Pulse serial Int FM, Int AM.



MODEL	YB3002	YB3003	YB3005	YB3010	YB3015	YB3020	YB3030	YB3040	YB3050
<b>Wave form</b>	Sine, rectangular, triple, pulse, rise ramp, fall ramp, random noise, SIN(x)/x, rise log, fall log etc.								
<b>Frequency</b>									
Sine	1μHz~2MHz	1μHz~3MHz	1μHz~5MHz	1μHz~10MHz	1μHz~15MHz	1μHz~20MHz	1μHz~30MHz	1μHz~40MHz	1μHz~50MHz
Rectangular	1μHz~2MHz	1μHz~3MHz	1μHz~5MHz	1μHz~10MHz					
Other wave form	1μHz~1MHz								
Max resolution	8 digital or 0.1μHz								
Long stability	50ppm								
<b>Signal Characteristics</b>									
Rectangular rise time	≤20ns								
Over shot	≤5%								
Rectangular asymmetry(1kHz)	< 1%								
Pulse duty cycle	0.1~99.9% (< 10kHz) 1%~99%(10kHz~100kHz) 3%~97% (< 1MHz)								
Triple, ramp linearity (1kHz)	<0.1%								
<b>Output A</b>									
Amplitude setup	2mVpp~2Vpp(High resistance); 1mVpp~10Vpp(50Ω)			2mVpp~6Vpp(High resistance); 1mVpp~3Vpp(50Ω)					
Attenuation error(1kHz)	<5%								
Frequency response (1Vpp, base:1kHz)	<5%								
Setup ratio setup (<5Vpp)	-100%~100%								
Input impedance	50Ω								
<b>Output B</b>									
Wave form	Build-in wave form								
Amplitude	200mVpp~2Vpp(High resistance); 100mVpp~10Vpp(600Ω)								
Output impedance	600Ω								
Frequency Range	0.1Hz~20KHz								
<b>Sweep frequency</b>									
Type	Line or linearity								
Direction	Positive or negative								
Start/End	1Hz~2MHz	1Hz~3MHz	1Hz~5MHz	1Hz~10MHz	1Hz~15MHz	1Hz~20MHz	1Hz~30MHz	1Hz~40MHz	1Hz~50MHz
Time setup range	10ms~40s								

...Continued

**DDS Function Signal Generator**

MODEL	YB3002	YB3003	YB3005	YB3010	YB3015	YB3020	YB3030	YB3040	YB3050
<b>FSK, PSK, ASK, BURST</b>									
Pulse, interval	10 $\mu$ s~100s								
Trig mode	Int, Ext. single								
Carrier frequency	1Hz~Max. Frequency								
Carrier wave form	Build-in wave form								
Phrase	-360~360 degree								
Burst pulse number	1~65535								
<b>AM</b>									
Module wave form	Any build-in function wave form								
Module Frequency	100mHz~10kHz								
Modulation	0%~100%								
Source	Internal/External								
<b>FM</b>									
Carrier wave form	Any build-in function wave form								
Module frequency	100mHz~10kHz								
Frequency shift setup range	1Hz~ 2MHz	1Hz~ 3MHz	1Hz~ 5MHz	1Hz~ 10MHz	1Hz~ 15MHz	1Hz~ 20MHz	1Hz~ 30MHz	1Hz~ 40MHz	1Hz~ 50MHz
Source	Internal								
<b>Phrase Module</b>									
Carrier wave form	Sine, Rectangular								
Module frequency	100mHz~10kHz								
Max. phrase shift	360 degree								
Source	Internal								
<b>Frequency counter</b>									
Frequency	1Hz~100MHz								
Input voltage	> 100mV								
<b>Storage Characteristics</b>									
Save/Recall	20 $\uparrow$								
<b>Physical Characteristics</b>									
Power supply	AC 200V $\pm$ 10% ; 50Hz $\pm$ 5%								
Dimension	95H $\times$ 245W $\times$ 340D(mm)								
Weight	Approx. 2kg								

**CROMTECH INDIA**

1st Floor Begum Niwas, Opp Mercantile, Bank Society Colony, 5th Natwar Nagar Road, Jogeshwari (East), Mumbai 400 060. Maharashtra - India.

Mobile: +91 98693 82134 / 81088 13320

Telefax: +91 22 2838 6028

 Email: [cromamumbai@mail.com](mailto:cromamumbai@mail.com) / [cromtechindia@mail.com](mailto:cromtechindia@mail.com) / [info@cromtechindia.com](mailto:info@cromtechindia.com) / [sales@cromtechindia.com](mailto:sales@cromtechindia.com)

 Website: [www.cromtechindia.com](http://www.cromtechindia.com)