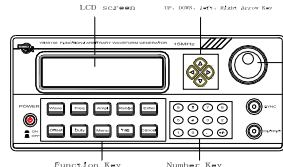


# YB33150, 33151 15MHz ARBITRARY WAVEFORM GENERATOR

- Direct Digital Synthesis (DDS): adopts digital circuit to ensure high resolution & stability
- Up-to-date technology of Arbitrary Waveform Generation (AWG), output wave is specified by computer drawing and/or function formula, and/or sampling data which presents you a complicated waveform of the world
- Large LCD display with backlit
- RS232C or GPIB interface to PC
- Menu operation through meter panel or PC software
- Conforms to IEC1010 standard



## Main Technical Specifications

- Channel: 1 x15MHz (YB33150), 2x15MHz (YB33151)  
Function Wave: sine, square, triangle, up/down slant, noise, sinx/x, up/down index, etc.  
Arbitrary Wave: 32k x12bit, max. 80Msa/s sampling, 32kx6 SRAM power-loss storage  
Frequency Range:  
0.01Hz~100kHz (arbitrary wave)  
0.01Hz~15MHz (sine, square wave)  
Resolution: 0.01Hz or 8 digits  
Stability: 50ppm  
Signal Characteristic:  
Square wave: rise time 25ns, overshoot 2%, asymmetry: 2%, duty: 20%~80%  
Triangle/slant wave: linearity better than 1%  
Sine wave THD: -60dBc(1kHz)~ -30dBc(15MHz)  
Output Characteristic:  
50mVpp~10Vpp, impedance approx. 50  
Attenuating error 5%, frequency resp. 5%  
Deflection setting: -100%~100%  
Resolution setting: 3 bit  
Phase Noise: -55dBc (10MHz @30KHz deflection)  
Frequency Scanning: linearity or log, 0.01Hz~15MHz, time 10mS~100S, initial phase adjustable  
FSK: 0.01Hz~50kHz, initial phase adjustable  
BURST: loading frequency 1Mhz, initial phase adjustable from -360° to 360°, interval: 10 S~100S  
AM: 0.01Hz~20kHz, depth (0~120%), INT/EXT  
FM: 0.01Hz~20kHz, deflection (0.01Hz~15MHz), INT

Power: AC220V 50/60Hz, ±10%

Dimensions:

Weight:

REF: 0133150X6150

✓CE (EMC), UL, CE (LVD)

**Sinometer**