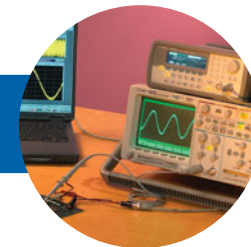


# Agilent 33220A and 33250A Arbitrary/Function Generators



## High quality, low distortion built-in waveforms plus arbitrary capability

- Standard waveforms included: sine, square, ramp, pulse, pulse, noise, exponential ramp, DC, and  $\sin(x)/x$
- Standard modulations included: AM, FM, FSK, and PWM (33220A)
- Linear/log sweep and burst
- Free IntuiLink Arbitrary Waveform Software



1. 33220A Function / Arbitrary Waveform Generator, 20 MHz
2. 33250A Function / Arbitrary Waveform Generator, 80 MHz
3. Graphic display for viewing and editing waveforms
4. One touch buttons for the standard waveforms
5. One touch buttons for modulation
6. Soft keys for setting parameters
7. Programmable output for matching load impedance
8. External reference time base input (33220A Option 001)
9. Computer interfaces: GPIB, 33220A provides USB and LAN (LXI)
10. SCPI programming language, PC SW and drivers included

# TRANSCAT®

CALIBRATION SERVICES • TEST & MEASUREMENT INSTRUMENTS

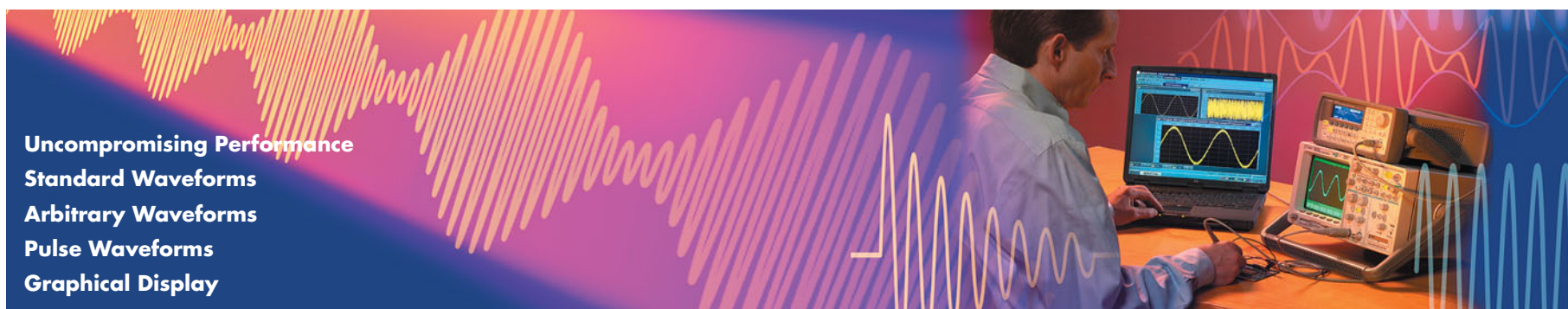
[www.transcat.com](http://www.transcat.com) • 800.828.1470



**Agilent Technologies**

Authorized Distributor

	33220A	33250A
Frequency range (sine and square)	1 $\mu$ Hz to 20 MHz	1 $\mu$ Hz to 80 MHz
Arb resolution and sample rate	14-bit, 50 MSa/s	12-bit, 200 MSa/s
Harmonic distortion	-70 dBc (DC – 20 kHz)	-60 dBc (DC – 1 MHz)
Linear ramp rate	Up to 200 KHz	Up to 1 MHz
Phase noise	-115 dBc / Hz	< -65 dBc (10 MHz)
Square wave duty cycle	20% to 80%	
Pulse frequency range	500 mHz to 5 MHz	500 mHz to 50 MHz
Modulation carrier waveforms	Sine, square, ramp, and arb	
Modulation capability	AM, FM, PM, FSK, Burst, PWM	AM, FM, FSK, Burst
Amplitude range	10 mVpp to 10 Vpp into 50 ohm load	
Amplitude accuracy	$\pm 1\%$ , $\pm 1$ mVpp	
Frequency accuracy	20 ppm + 3 pHz	2 ppm
External timebase reference	Option 001	Standard
Interface	GPIB, LAN, USB	GPIB, RS-232



**Uncompromising Performance**  
**Standard Waveforms**  
**Arbitrary Waveforms**  
**Pulse Waveforms**  
**Graphical Display**

Options and Accessories	
<b>33220A Opt 001</b>	External Timebase Reference
<b>34131A</b>	Carrying Case
<b>34161A</b>	Accessory Pouch
<b>34190A</b>	Rack mount kit (1/2 width)

**TRANSCAT®**

CALIBRATION SERVICES • TEST & MEASUREMENT INSTRUMENTS

**www.transcat.com • 800.828.1470**