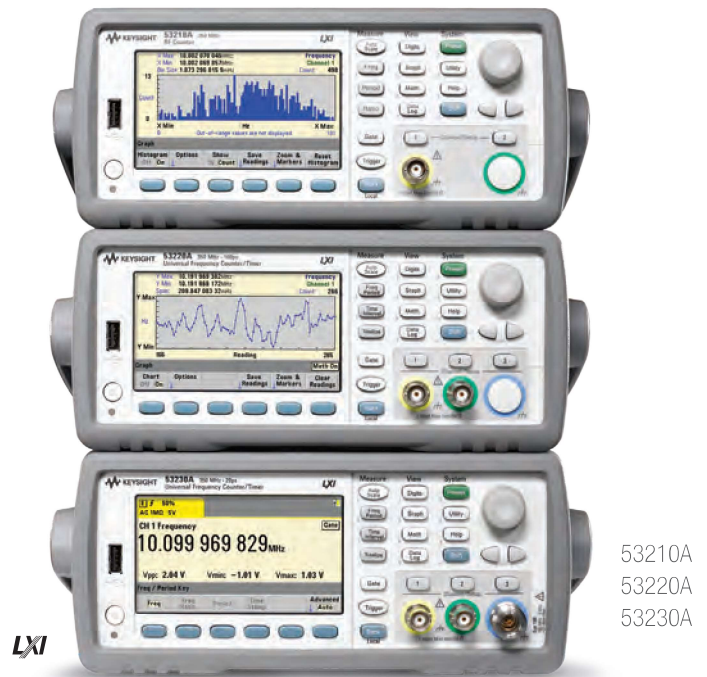


# 53200 Series RF and universal frequency counters/timers

*Accelerate measurement and analysis with histograms, trend charts and statistics*

- 350 MHz, with options up to 15 GHz
- Advanced capabilities: histograms, trending, data logging, optional pulse/burst microwave measurements
- Up to 20 ps single-shot time interval measurements
- Continuous, gap-free measurements, with time stamps on signal edges
- Onboard memory for 1 M readings
- 53181A, 53131A, 53132A counter emulation mode



53210A  
53220A  
53230A

	53210A	53220A	53230A
Type	1 channel; optional RF channel	2-channel universal; optional RF channel	
Measurements	Frequency, frequency ratio, period, max./min./peak-to-peak input voltage		
	Time interval, rise/fall time, single period, pulse width, duty cycle, phase, totalize		
	NA	Timestamp/modulation domain analysis	
Analysis	Math: smoothing (reading moving average), scaling, $\Delta$ -change, null		
	Statistics: mean, standard deviation, max., peak-to-peak, count; full color display for trendline, histograms		
	Allan deviation		
Frequency range (optional)	DC to 350 MHz (6 or 15 GHz)		
Frequency resolution	10 digits/s	12 digits/s	
Time interval	NA	100 ps	20 ps
Connectivity	USB, LAN, and GPIB		