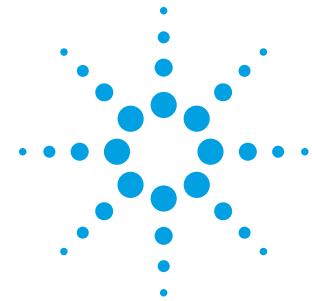


Agilent 53200 RF/Universal Frequency Counter/Timers

Models: 53210A, 53220A and 53230A



The Agilent 53200 Series is a new generation of 350 MHz RF/universal frequency counter/timers with optional 6 GHz or 15-GHz inputs. The first frequency counters with LXI Class C compliance, the 53200 family is built with LAN and USB I/O for ease of connectivity and data collection. The combination of high-speed measurements and built-in analysis and graphical display provides new functionality that has not previously been available in basic frequency counter/timers

Key features

- **More frequency:**
350 MHz baseband frequency, 6- or 15-GHz optional microwave channels
- **More resolution:**
Up to 12 digits/sec and 20-ps single-shot time interval
- **More information accessibility:**
1M reading memory, up to 75,000 frequency readings/sec, strip chart/trend plot, cumulative histograms
- **More connectivity:**
First LXI-compliant counters (LXI/Ethernet, USB, plus optional GPIB connectivity)
- **More measurement capability:**
Gap-free/continuous measurements and timestamping for basic modulation domain analysis and optional pulse/burst microwave measurements. The optional battery supports remote usage and helps maintain accurate measurements by keeping the timebase warm at all times.

So MUCH
So FAST



Agilent Technologies

Agilent 53200 RF/Universal Frequency Counter/Timers

Product specifications

Product specifications	53210A RF frequency counter	53220A universal frequency counter/timer	53230A universal frequency counter/timer
Channels	Ch 1: 350 MHz Opt ch 2: 6 or 15 GHz	Ch 1 and 2: 350 MHz Opt ch 3: 6 or 15 GHz	
Frequency resolution	10 digits/sec	12 digits/sec	
Time interval resolution	NA	100 psec	20 psec
Measurements	Frequency, period, frequency ratio, max/min/peak to peak input voltage	Frequency, period, frequency ratio, max/min/peak to peak input voltage, time interval, single period, pulse width, rise/fall time, duty cycle, phase, totalize	Frequency, period, frequency ratio, max/min/peak to peak input voltage, time interval, single period, pulse width, rise/fall time, duty cycle, phase, totalize, timestamp/MDA
Burst/pulse microwave measurements (optional)	NA		Carrier frequency, PRI, PRF, PW
Math	Smoothing (Reading Moving Average), Scaling, Δ-Change, Null		
Statistics	Mean, standard deviation, max, peak-to-peak, count	Mean, standard deviation, max, peak-to-peak, count, Allan deviation	
Graphical display	Digits, trend, histogram, limit test, markers		

For more details on the Agilent 53200 Series and ordering information see:

Agilent 53200 Series Datasheet,
literature number 5990-6283EN

Agilent 53200 Family Brochure,
literature number 5990-6339en

For more information on the
Agilent 53200 Series, please visit:

**[www.agilent.com/find/
FrequencyCounterSpotlight](http://www.agilent.com/find/FrequencyCounterSpotlight)**

To find a distributor in your area, go to:

www.agilent.com/find/distributors

Options

Model No.	Description
Option 010	Ultra high-stability OCXO timebase
106/115	Add 6/15 GHz CW microwave channel
203	Move microwave channel input to rear
150	Pulse microwave software (53230A only)
201	Add rear panel parallel inputs for Ch 1 and Ch 2
300	Add internal lithium ion battery pack and charger
400	Add GPIB interface

Accessories

Model No.	Description
1250-1476	Adapter: type-N (m) to BND (f), DC to 4 GHz
N2874A	Passive probe: 10:1, 1.5 GHz, 1.3 m
N2863A	Passive probe: 10:1, 300 MHz, 1.2 m
34190A	Rack mount kit
34191A	2U dual flange kit
34194A	Dual lock link kit
34131A	Transit case

Recommended service options

www.agilent.com/find/removealldoubt

R-51B-001-3C Return-to-Agilent warranty – extended to 3 years

R-50C-011-3 Return-to-Agilent calibration – 3 years

Pricing and technical data subject to change without notice.

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