

KEYSIGHT TECHNOLOGIES (AGILENT HP)

53220A

Keysight (Agilent) 53220A is a 350 MHz, two-channel universal frequency counter/timer in the 53200A Series. It offers up to 12 digits/second frequency resolution, 100 ps single-shot time-interval resolution, fast reading rates, a large color graphical display, and standard LAN (LXI-C) and USB connectivity with optional GPIB.

SPECIFICATIONS

General

Interfaces	LAN (LXI Class C), USB 2.0 device, USB host (mass storage), optional GPIB
Display	4.3-inch color graphical display (trend/histogram views)
Instrument class	Universal frequency counter/timer
Series	53200A Series
Model description	350 MHz universal frequency counter/timer (two channels)

Inputs & Channels

Number of input channels (base)	2 (350 MHz)
Optional RF input channel	1 (by option; 6 GHz or 15 GHz)

Frequency

Base input bandwidth (Ch 1/2)	up to 350 MHz
RF frequency range (option)	up to 6 GHz or up to 15 GHz (option-dependent)

Performance

Frequency resolution performance	up to 12 digits/second
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Time Interval

Single-shot time-interval resolution	100 ps
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Measurement Speed and Buffering

Internal reading memory	1,000,000 readings
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Data Handling and Storage

USB mass storage support	USB memory stick supported
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Display and User Interface

Display type/size	4.3-inch color graphical display
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Math, Statistics, and Analysis

Built-in analysis	Math and statistical analysis
Allan deviation	Built-in computation/display

Connectivity and Interfaces

LAN interface	Ethernet with LXI Class C compliance
USB device interface	USB 2.0 (control)
USB host port	Front-panel USB host (mass storage) only; no rear USB host port
GPIO interface	Optional

Remote Programming and Software

SCPI compatibility	Command compatible with Agilent 53131A/53132A/53181A
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Measurement Functions

Measurement types (core)	Frequency and time-interval measurements
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Options and Configurations

RF extension options	Third channel to 6 GHz or 15 GHz (option-dependent)
Optional battery	No battery option

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