

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 6, 2026

KEYSIGHT

Keysight (Agilent) 53220A 350 MHz Universal Frequency Counter/Timer

Keysight (Agilent) 53220A 350 MHz Universal Frequency Counter/Timer The Keysight 53220A is a 53200A-series universal frequency counter/timer with 350 MHz baseband inputs (Ch1 & Ch2), 12 digits/s frequency resolution, and 100 ps single-shot time-interval resolution. Optional microwave Channel 3 to 6 GHz or 15 GHz. Measurements include frequency, period, time interval, pulse width, rise/fall, duty, phase, totalize, and more. LXI-C / USB / GPIB. RF and general-purpose frequency/timing; automated test; characterization of clocks and pulsed signals. The Keysight 53220A is a 53200A-series universal frequency counter/timer with 350 MHz baseband inputs (Ch1 & Ch2), 12 digits/s frequency resolution, and 100 ps single-shot time-interval resolution. Optional microwave Channel 3 to 6 GHz or 15 GHz. Measurements include frequency, period, time interval, pulse width, rise/fall, duty, phase, totalize, and more. LXI-C / USB / GPIB. RF and general-purpose frequency/timing; automated test; characterization of clocks and pulsed signals.

No photo

MODEL

Keysight 53220A

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

53220A

LISTING

**Off-catalog — OEM dat
asheet only**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

Features & description

From manufacturer datasheet

Features

- Baseband: DC to 350 MHz, dual channel
- Resolution: 12 digits/s; display up to 15 digits
- Single-shot time interval resolution: 100 ps
- Measurements: frequency, period, TI A↔B, pulse width, rise/fall, duty, phase, totalize, ratio, signal strength
- Optional Ch3 microwave: 6 GHz or 15 GHz
- Interfaces: LXI-C LAN, USB, GPIB
- Related: 53210A (RF counter, 10 digits/s); 53230A (20 ps TI)

53220A Characteristics / Specifications

PARAMETER	VALUE
Model	53220A
Manufacturer	Keysight Technologies
Instrument Type	Universal Frequency Counter/Timer
Family	53200A Series
Alias	53220A Frequency / Timing 350 MHz dual-channel; 12 digits/s; 100 ps single-shot TI Operational Notes Prefer Keysight 53200A Series datasheet. Confirm microwave option on unit.
Baseband	DC to 350 MHz, dual channel
Resolution	12 digits/s; display up to 15 digits
Single-shot time interval resolution	100 ps
Measurements	frequency, period, TI A↔B, pulse width, rise/fall, duty, phase, totalize, ratio, signal strength
Optional Ch3 microwave	6 GHz or 15 GHz
Interfaces	LXI-C LAN, USB, GPIB
Related	53210A (RF counter, 10 digits/s); 53230A (20 ps TI)

53220A Specifications

PARAMETER	VALUE
Applications	RF and general-purpose frequency/timing; automated test; characterization of clocks and pulsed signals.
Key Features	- Baseband: DC to 350 MHz, dual channel
Technical Specifications	Model: 53220A
Frequency / Timing	350 MHz dual-channel; 12 digits/s; 100 ps single-shot TI
Operational Notes	Prefer Keysight 53200A Series datasheet. Confirm microwave option on unit.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

Specifications

PARAMETER	VALUE
Model	53220A
Manufacturer	Keysight Technologies
Instrument Type	Universal Frequency Counter/Timer
Family	53200A Series
Alias	53220A

Frequency / Timing

350 MHz dual-channel; 12 digits/s; 100 ps single-shot TI

Operational Notes

Prefer Keysight 53200A Series datasheet. Confirm microwave option on unit.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.