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Data Sheet

August 13, 2026

FLUKE

Fluke 7220A – Universal Frequency Counter

Channel A filter: 100 kHz low-pass selectable Line power: 100/120/220/240 V selectable, 47-63 Hz Options class: -010 battery; oven/TCXO timebases; -351 resolution multiplier; -521 digital interface Specs from Fluke 7220A instruction manual. Confirm installed timebase and options on the unit. Line power: 100/120/220/240 V selectable, 47-63 Hz Options class: -010 battery; oven/TCXO timebases; -351 resolution multiplier; -521 digital interface Specs from Fluke 7220A instruction manual. Confirm installed timebase and options on the unit.



MODEL

Fluke 7220A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

7220A

LISTING

<https://aumictechlabs.com/products/7220a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fluke 7220A is a nine-digit universal frequency counter delivering high-precision measurements up to 1300 MHz across dual input channels. Channel A covers 10 Hz to 125 MHz at 1 MΩ impedance with switchable and continuously variable attenuation, while Channel B handles 100 MHz to 1300 MHz at 50 Ω impedance with sensitivity as low as 5 mV rms. The instrument supports burst mode triggering and features a fully EMI-shielded enclosure meeting MIL-STD-461 requirements for operation in demanding RF environments. Housed in Fluke's lightweight Portable Test Instrument case with stack-and-latch design, the 7220A integrates into GPIB systems via optional IEEE-488 connectivity through the Fluke 1120A Translator. An optional 1000-times resolution multiplier maintains measurement speed while extending resolution capabilities. Technical Specifications Frequency Range Channel A: 10 Hz to 125 MHz; Channel B:

100 MHz to 1300 MHz Input Impedance Channel A: 1 M Ω (AC coupled); Channel B: 50 Ω
Sensitivity Channel A: 10 mV rms (10 Hz–50 MHz), 15 mV rms (50–100 MHz), 35 mV rms (100–125 MHz); Channel B: 5 mV rms (100–500 MHz), 10 mV rms (500–1000 MHz), 20 mV rms (1000–1300 MHz) Maximum Input (Channel B): 5 Vrms VSWR (Channel B): 2.5:1 Display: 9-digit Time Base: 1 ppm TCXO (option 7220A-111) Resolution Multiplier: 1000x option (7220A-351) Key Features Dual-channel architecture optimized for low- and high-frequency applications Channel A front-end includes X1/X10 switchable attenuation and continuously variable 1x to 10x wideband attenuator Burst mode measurement capability Fully EMI-shielded enclosure per MIL-STD-461 Integral stainless steel RF shielding Portable configuration: 12 × 10 × 10 inches, 5 lbs Compatibility & Integration Optional IEEE-488 connectivity via Fluke 1120A Translator enables integration into automated test systems. Standard package includes Counter Digital Interface Unit and Y7203 2 ft ribbon cable with personality card.

Features & description

From manufacturer datasheet

Features

- Dual-channel 10 Hz to 1300 MHz coverage
- Selectable resolution down to 0.1 Hz (finer with Option -351)
- 100 kHz LPF and attenuators on Channel A
- Optional TCXO/oven timebases, battery pack, digital interface
- PTI case with RFI shielding

Applications

- Frequency measurement from audio through UHF
- Burst-mode measurements on Channel B
- Oscillator and communications signal verification
- Portable counting with optional battery/oven options

7220A Characteristics / Specifications

PARAMETER	VALUE
Model	7220A
Manufacturer	Fluke
Instrument Type	Universal Frequency Counter
Alias	7220A; Fluke 7220A
Total frequency coverage	10 Hz to 1300 MHz
ChannelArange	10 Hz to 125 MHz
ChannelBrange	100 MHz to 1300 MHz
ChannelAimpedance	1 Mohm // ~65 pF
ChannelBimpedance	50 ohm
ChannelAsensitivity class	15 mV rms (10 Hz-50 MHz); 25 mV rms (100-125 MHz class)
ChannelBsensitivity class	5 mV rms (100-600 MHz); 10 mV (600-1000); 40 mV (1000-1300)
Resolution settings	0.1 Hz, 1 Hz, 10 Hz, 100 Hz (standard)
Display	9-digit LED
External timebase input	10 MHz
ChannelAfilter	100 kHz low-pass selectable
ChannelBmax input	5 V rms
Line power	100/120/220/240 V selectable, 47-63 Hz
Accuracy	+/-1 count +/- timebase errors

7220A Specifications

PARAMETER	VALUE
Fluke 7220A Universal Frequency Counter	Overview
Key Features	- Dual-channel 10 Hz to 1300 MHz coverage
Technical Specifications	Model: 7220A
Notes	Specs from Fluke 7220A instruction manual. Confirm installed timebase and options on the 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

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Options class: -010 battery; oven/TCXO timebases; -351 resolution multiplier; -521 digital interface

Notes

Specs from Fluke 7220A instruction manual. Confirm installed timebase and options on the unit.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

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

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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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.