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**Data Sheet**

August 13, 2026

FLUKE

## Fluke 1900A Multi-Counter

The Fluke 1900A is a multi-function counter covering 5 Hz to 80 MHz with frequency, period, period-averaging, and totalize modes. It includes a selectable 1 MHz low-pass filter for noisy environments and manually selectable frequency resolution. Frequency resolution (manual): 0.1 Hz, 1.0 Hz, and additional decade settings. Timebase stability class: on order of  $1e-7$  per month (manual class). Aging rate class:  $<1e-8$  over 1 second class. Specs from Fluke 1900A instruction manual and product summaries. Confirm timebase option and exact sensitivity vs frequency on the unit.



MODEL

**Fluke 1900A**

CALIBRATION

**Available on request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**1900A**

LISTING

<https://aumictechlabs.com/products/1900a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

### This unit

The Fluke 1900A Multi-Counter is a precision instrument for frequency and period measurements across laboratory and field environments. It delivers accurate counting and signal analysis from 5 Hz to 80 MHz, with selectable resolution, period averaging, and totalize functions. The instrument features high input impedance, a six-digit LED display with automatic decimal positioning, and signal conditioning for challenging electrical environments. A discontinued model, it remains supported through third-party suppliers and integrates with optional data output systems for automated test workflows.

Technical Specifications

| Measurement Functions                                                        |
|------------------------------------------------------------------------------|
| Frequency: 5 Hz to 80 MHz                                                    |
| Period: 5 Hz to 1 MHz                                                        |
| Totalize: 1 to 999,999 counts                                                |
| Frequency resolution: 0.1 Hz, 1.0 Hz, 10 Hz, or 100 Hz (manually selectable) |
| Period averaging: $10^1$ , $10^2$ , $10^3$ , or 100 periods (manually)       |

selectable) Sensitivity Frequency and totalize (sine wave): 15 mV rms, 5 Hz to 80 MHz Frequency and totalize (pulse): 200 mV P-P minimum, 20 nsec pulse width minimum, >10% duty cycle Period (pulse): 200 mV P-P minimum, 200 nsec pulse width minimum, >10% duty cycle Input & Signal Conditioning High input impedance to minimize circuit loading Selectable 1 MHz low-pass filter for noise-heavy environments Selectable 10:1 attenuator for high-level signal inputs Display & Output Six-digit LED display with leading-zero suppression Automatic decimal point positioning Unit annunciators (kHz, MHz, milliseconds, microseconds) and overflow indication Parallel BCD data output available via optional Data Output Unit (DOU) Self-check mode for performance verification Power & Physical Line-powered: 100, 115, or 230 V AC at 50–400 Hz; 6.5 W consumption Optional battery-powered version (Model 1900A-01) with rechargeable nickel-cadmium cells Dimensions: 6 × 19 × 25 cmKey Features Autoranging with manual override for resolution and period averaging Dual-mode sensitivity for sine wave and pulse signals Compact benchtop footprint with intuitive six-digit readout Multiple power options for stationary or portable deploymentTypical Applications Frequency verification in component testing, period measurement in timing analysis, signal counting in production environments, and diagnostic measurements in service facilities.Compatibility & Integration Optional Data Output Unit enables parallel BCD format output at rear-panel connector for integration with automated measurement systems. Battery-powered variant (Model 1900A-01) provides flexibility for field applications while retaining full AC line operation capability.

## Features & description

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From manufacturer datasheet

### Features

- Frequency, period, period average, and totalize
  - Selectable frequency resolution
  - 1 MHz low-pass filter
  - Multi-counter architecture
- 

### Applications

- Frequency counting to 80 MHz
  - Period and period-average measurements
  - Totalize counting
- Electronics service benches

## 1900A Characteristics / Specifications

| PARAMETER                     | VALUE                                                                                                                                                |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                         | 1900A                                                                                                                                                |
| Manufacturer                  | Fluke                                                                                                                                                |
| Instrument Type               | Multi-Counter                                                                                                                                        |
| Alias                         | 1900A; Fluke 1900A                                                                                                                                   |
| Frequency range               | 5 Hz to 80 MHz                                                                                                                                       |
| Period range                  | 5 Hz to 1 MHz (single and multiple period averages)                                                                                                  |
| Functions                     | Frequency, period, period averaging, totalize                                                                                                        |
| Frequency resolution (manual) | 0.1 Hz, 1.0 Hz, and additional decade settings                                                                                                       |
| Timebase frequency            | 10 MHz                                                                                                                                               |
| Timebase stability class      | on order of 1e-7 per month (manual class)                                                                                                            |
| Aging rate class              | <1e-8 over 1 second class                                                                                                                            |
| Input filter                  | selectable 1 MHz low-pass                                                                                                                            |
| Sensitivity                   | 15 mV rms typical                                                                                                                                    |
| Form factor                   | Benchtop multi-counter                                                                                                                               |
| Brand                         | Fluke Notes Specs from Fluke 1900A instruction manual and product summaries. Confirm timebase option and exact sensitivity vs frequency on the unit. |

# 1900A Specifications

| PARAMETER                | VALUE                                                                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Applications             | - Frequency counting to 80 MHz                                                                                                              |
| Technical Specifications | Model: 1900A                                                                                                                                |
| Notes                    | Specs from Fluke 1900A instruction manual and product summaries.<br>Confirm timebase option and exact sensitivity vs frequency 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                                                                                                                           |                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| Specifications                                                                                                                           |                                                     |
| PARAMETER                                                                                                                                | VALUE                                               |
| Model                                                                                                                                    | 1900A                                               |
| Manufacturer                                                                                                                             | Fluke                                               |
| Instrument Type                                                                                                                          | Multi-Counter                                       |
| Alias                                                                                                                                    | 1900A; Fluke 1900A                                  |
| Specifications                                                                                                                           |                                                     |
| PARAMETER                                                                                                                                | VALUE                                               |
| Frequency range                                                                                                                          | 5 Hz to 80 MHz                                      |
| Period range                                                                                                                             | 5 Hz to 1 MHz (single and multiple period averages) |
| Functions                                                                                                                                | Frequency, period, period averaging, totalize       |
| Frequency resolution (manual)                                                                                                            | 0.1 Hz, 1.0 Hz, and additional decade settings      |
| Timebase frequency                                                                                                                       | 10 MHz                                              |
| Timebase stability class                                                                                                                 | on order of 1e-7 per month (manual class)           |
| Aging rate class                                                                                                                         | <1e-8 over 1 second class                           |
| Input filter                                                                                                                             | selectable 1 MHz low-pass                           |
| Sensitivity                                                                                                                              | 15 mV rms typical                                   |
| Form factor                                                                                                                              | Benchtop multi-counter                              |
| Brand                                                                                                                                    | Fluke                                               |
| Notes                                                                                                                                    |                                                     |
| Specs from Fluke 1900A instruction manual and product summaries. Confirm timebase option and exact sensitivity vs frequency 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](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

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NIST-traceable calibration · SAM registered ·  
30-day returns  
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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.