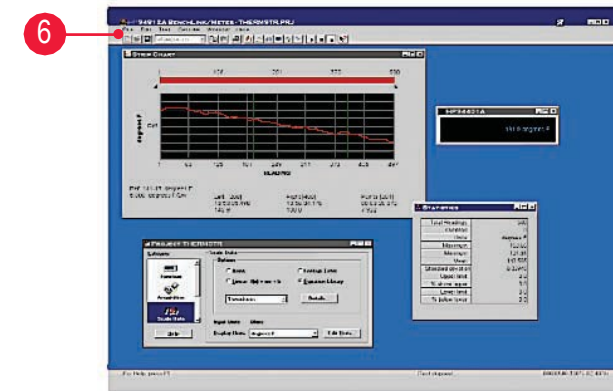
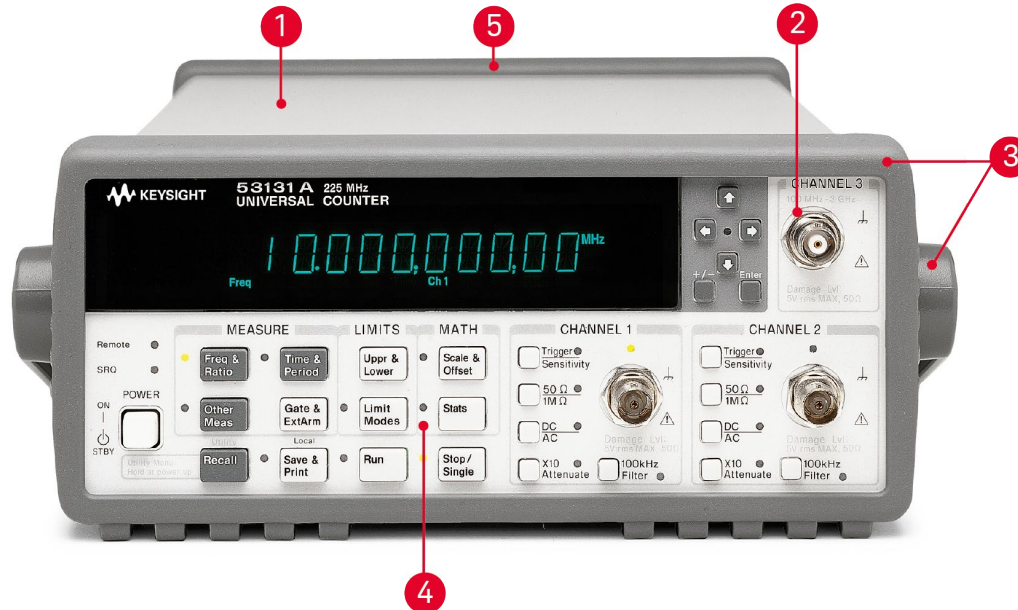


Keysight 53131A, 53132A and 53181A Universal Counters

High-performance, low-cost counters simplify and speed system and bench frequency measurements



1. 53131A, 225 MHz universal frequency counter, 2-ch, 10 digit/second
2. 1.5 GHz, 3 GHz, 5 GHz and 12.4 GHz optional input
3. Removable handle and bumpers for easy rack mounting
4. Easy-to-use front panel for quick measurement setup
5. Rear panel computer interfaces: GPIB and RS-232
6. Free IntuiLink software for instrument setup and data monitoring/analysis

Fast, precise frequency measurements

- Measures frequency, period, ratio, time interval, pulse width, rise/fall time, phase angle, duty cycle, totalize and peak voltage.
- Optional timebases for increased stability.
- 500 or 150 ps single-shot time interval resolution.
- Other features: Built-in statistics, math functions, automated limit testing and store up to 20 different front-panel setups.



53132A universal frequency counter



53181A RF frequency counter

Choose the frequency counter that meets your needs

| Features | 53131A | 53132A | 53181A |
|-------------------------------|---|----------------------|--|
| Bandwidth | 255 MHz | 225 MHz | 225 MHz |
| Frequency resolution | 10 digit | 12 digit | 10 digit |
| Type | Universal, 2-channel | Universal, 2-channel | RF, 1-channel |
| Time interval resolution | 500 | 150 | N/A |
| Optional high-frequency input | 3, 5, or 12.4 GHz | 3, 5, or 12.4 GHz | 1, 5, 3, 5, or 12.4 GHz |
| Measurement functions | Frequency, frequency ratio, time interval, period, rise/fall time, positive/negative pulse width, duty cycle, phase, totalize, peak voltage, time interval average, time interval delay | | Frequency, frequency ratio (with optional channel 2), period, peak voltage |
| Other features | Built-in statistics (min, max, avg, std dev), math functions (scale, offset), automated limit testing, and stores up to 20 front panel setups | | |
| Connectivity | GPIB, RS-232, IntuLink Software | | |

Options

| Part | Description |
|------------|---|
| Option 001 | Medium-stability timebase |
| Option 010 | High-stability timebase |
| Option 012 | Ultra-high-stability timebase ¹ |
| Option 015 | 1.5 GHz RF input ² |
| Option 030 | 3 GHz RF input |
| Option 050 | 5 GHz RF input |
| Option 060 | Channel 1 rear input in parallel with front input |
| Option 061 | Channel 1 rear input in parallel with front input, channel 2 input rear only |
| Option 062 | Channel 1 rear input in parallel with front input, channel 2 input front only |
| Option 124 | 12.4 GHz RF input |

1. 53132A only

2. 53181A only

Accessories

| Part | Description |
|------------------|--------------------------------|
| 10833A/B/C/D/F/G | GPIB cable |
| 82350B | PCI high-performance GPIB card |
| 82357B | USB/GPIB interface |
| 34131A | Transit case |
| E5805A | USB/4-port RS-232 interface |
| E5810A | GPIB to LAN gateway |

**53131A, 53132A, 53181A counters
(If you use/order)**53181A 225 MHz RF counter (10 digits/s)
1 channel with optional 2nd microwave channel53131A 225 MHz universal counter (10 digits/s, 500 ps)
2 channels with optional 3rd microwave channel

53132A universal counter (12 digits/s, 150 ps)

2 channels with optional 3rd microwave channel**NEW 53200 series counters
(Now – order this)**53210A 350 MHz RF frequency counter (10 digits/s)
1 channel with optional 2nd microwave channel53220A 350 MHz universal counter (12 digit/sec, 100 ps)
2 channels with optional 3rd microwave channel53220A 350 MHz universal frequency counter/ timer (12 digits/s, 100 ps)
53230A 350 MHz universal frequency counter/ timer (12 digits/s, 20 ps)2 channels with optional 3rd microwave channel