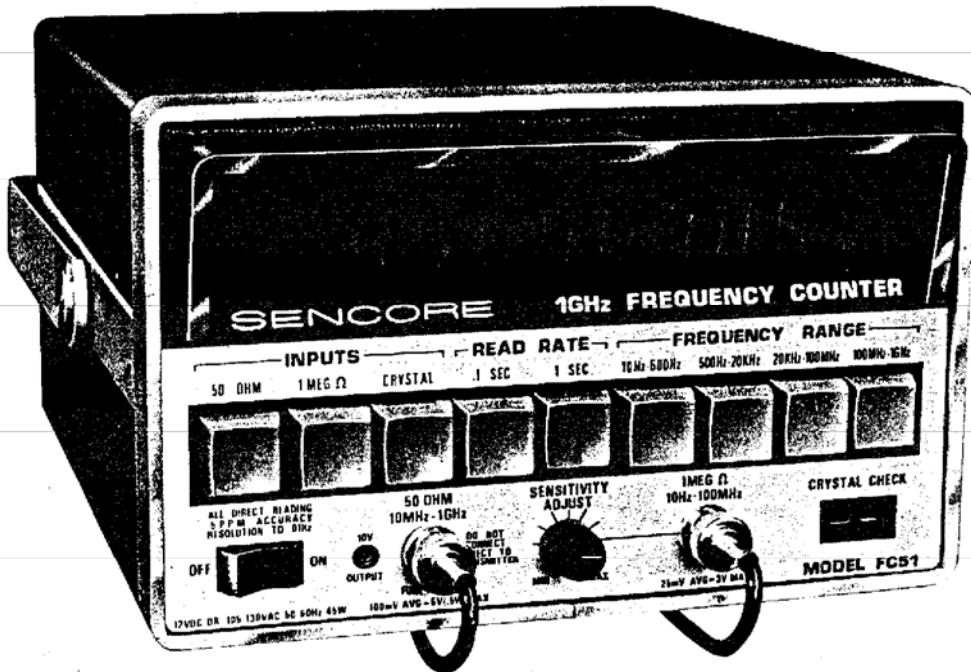


# The only counter you'll need for documenting and troubleshooting broadcast, 2-way, & digital systems.



FC51 1 GHz Frequency Counter

**Covers 10 Hz through 1 GHz continuously at better than FCC requirements all the way:** Super-accuracy of .5 parts per million, with a maximum of 2 PPM change per year, from 0 to 40°C, means that you will be within FCC specs at all times. Kept accurate by proportionately-controlled oven.

**Stable readings anywhere:** You can take the FC51 to a transmitter site or even place it on a TV high voltage cage and still rely on the FC51 for interference-free readings.

**Automatic decimal provides all direct readings:** Simply push the test you want and that's what you get with automatic decimal shifting.

**Precisely measure audio and sub-audible signals:** You can check squelch tones, VTR speeds, etc., to .01 Hertz resolution, all directly with no calculations or decimal shifting at all. Resolution multiplier is automatically switched in on two lowest frequency ranges.

**Stable readings on even complex waveforms:** To stabilize complex waveform reading, sensitivity is reduced with sensitivity adjust control, so only highest amplitude signal reaches threshold sensitivity level of FC51. Enables you to read signals of more than one frequency when other counters won't.

**Measure virtually any signal:** 25 millivolts average sensitivity on 1 megohm input from 10 Hz to 100 MHz assures low level signal tracing with pick-up loop. 100 millivolt average sensitivity on 50 ohm input, from 10 MHz to 1 GHz, means clean, interference-free signal pick up.

**Check crystals instantly:** You needn't worry about the frequency being off because of defective crystals. You can check crystals in seconds with the FC51 by simply inserting

the crystal into the holder and pushing the Crystal pushbutton and reading the crystal's fundamental frequency directly on the display. Only Sencore frequency counters provide you with this important test.

**Includes all needed accessories:** Your FC51 1 GHz Frequency Counter is ready to go when you receive it. If you are on the bench, plug the line cord into any 115 VAC outlet. If you are in a vehicle, take along the supplied 12 volt cigar lighter adaptor and cable and monitor the frequency in any remote area. If you wish to monitor a station with a relatively weak signal, connect the supplied AN219 Adjustable Antenna into either the 50 ohm or 1 megohm input jack and adjust the antenna for a stable reading.

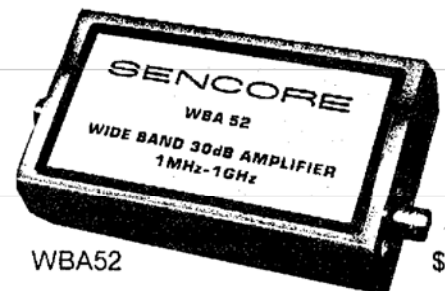
**Handy frequency standard:** You can use the super accurate 10 MHz buffered clock frequency, readily available at the rear of the FC51, for calibration checks against WWV, or to calibrate lower quality frequency counters, or anywhere a frequency standard comparison is needed.

**No more down time for recalibration:** Exchangeable clock module program, available only from Sencore, lets you recalibrate your FC51 in only minutes. There is no need to send in the entire counter. You simply pull out

the clock module and return it to the factory for a calibration check, order a new module, and get credit when your module is returned, or sign up for the special exchange service at the time interval you request. Special included certificate shows that module (or FC51) is calibrated to WWV to prove to the FCC Inspector your FC51 is right on frequency. You'll always be FCC accurate to protect your FCC license if you own a Sencore FC51.

**General:** Vinyl-clad steel case with aluminum panel and steel handle. 5½" x 8" x 9" HWD (14 x 20 x 23 cm.) 6½ lbs. (3 Kg.) 50 ohm and 1 megohm input jacks. 115 VAC or 12 volt with supplied cigar lighter adaptor — 45 Watts.

## Measure extremely small signals with optional amplifier



**Optional sensitivity:** Optional 30 dB Wide-band Amplifier, WBA52, (\$295) connects into 50 Ohm input cable to increase sensitivity to 3 millivolts for weak signal pickup. Can be used on 1 Megohm input to produce less than 1 millivolt of sensitivity. Read communication monitor outputs on a frequency counter for the first time or use with AN210 Antenna or PL207 Pick-Up Loop to detect exceptionally low-level signals.

