

FREQUENCY COUNTER 2.5 GHz

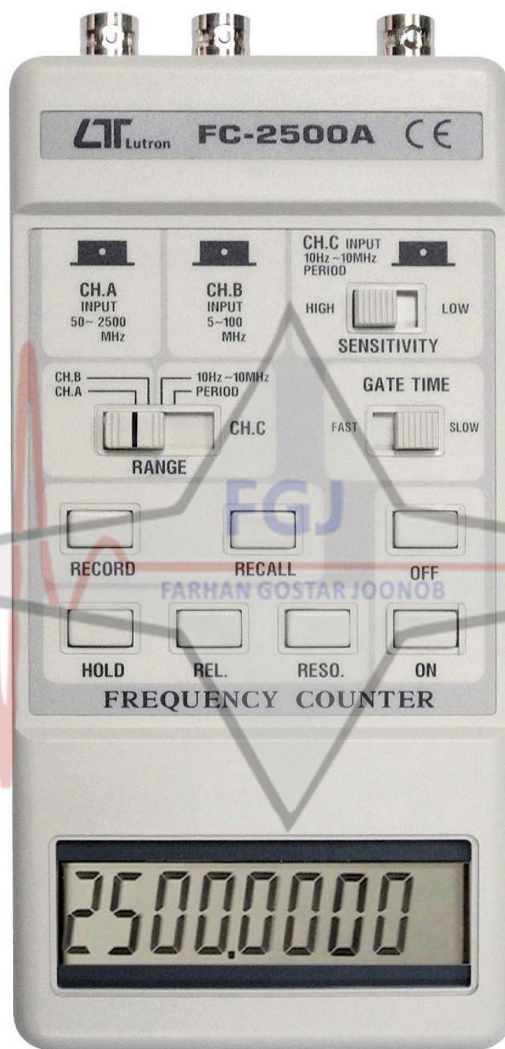
Model : FC-2500A



ISO-9001, CE, IEC1010

- +982165565901
- +982144584619
- +989034119385

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Lutron

LUTRON ELECTRONIC

The Art of Measurement

2.5 GHz HAND HELD FREQUENCY COUNTER Model : FC-2500A



FEATURES

| | |
|---|---|
| * High sensitivity for the VHF & UHF freq. measurement, useful for the CB amateur. | * LCD display for low power consumption & clear read-out even in bright ambient light condition. |
| * Handheld & pocket size instrument. | * The instrument used the low PPM crystal time base to offer high accuracy measurement. |
| * Wide measuring range up to 2.6 GHz. | * The optional telescoping antenna accessory can be used to pick up transmit frequencies from handheld, fixed or mobile radios such as: POLICES, FIRE FIGHTER'S, HAM, TAXI, AIRCRAFT MARINE, etc. at ranges of approaching 5 to 30 cm (depending on transmitter power, antenna obstructions, etc.). |
| * Good resolution, 0.1 Hz min. display unit for 10 MHz range. | |
| * Used the exclusive Microprocessor IC offered the intelligent function: Frequency, Period, Multi resolution, Data hold, Relative measurement, Data record(Max., Min., Average reading). | |
| * Auto power off & manual power off. | |

SPECIFICATIONS

| | | | |
|-------------------------|---|--|-----------------------------|
| Display | 13mm (0.5") LCD (Liquid Crystal Display), 8 digits. | | |
| Measurement | Frequency, Data hold, Relative, Memory(max., min., average), Period. | | |
| Range | 2500 MHz | 50 MHz to 2500 MHz (typical max. 2600 MHz) | |
| | 100 MHz | 5 MHz to 120 MHz. | |
| | 10 MHz | 10 Hz to 10 MHz | |
| | Period | 10 Hz to 10 MHz | |
| Resolution, Sample Time | Ref. the following "Table for Resolution & Sample Time". | | |
| Sensitivity (rms) | 2500 MHz range | 50 MHz - 75 MHz | 100 mV +982165565901 |
| | | 76 MHz - 2500 MHz | 50 mV |
| | 100 MHz range | 5 MHz- 100 MHz | 50 mV +982144584619 |
| | | > 100MHz to 120MHz | 100 mV |
| | 10 MHz Period | 50 mV | +989034119385 |
| | 50 mV | | |
| Frequency Accuracy | ± (4 PPM +1 d) - 23± 5°C , after calibration. | | |
| Time Base circuit | 4.194 MHz quartz crystal. | | |
| Time Base Temp. Coeff | 0.1 PPM/per (typical, 23± 5°C). | | |
| Over-input | 2500 MHz & 100 MHz range | Max. 5V peak to peak. | |
| | 10 MHz & Period range | Max. 250 V peak to peak | |
| Input Connector | BNC, female. | | |
| Case | Durable & strong ABS-plastic housing. | | |
| Operating Temperature | 0 to 50 °C (32 to 122 °F). | | |
| Operating Humidity | Less than 80% RH | | |
| Power Supply | 4 x 1.5 V AA(UM-3) battery. | | |
| Power Consumption | 2500 MHz & 500 MHz range | Approx. DC 105 mA. | |
| | 10 MHz & Period range | Approx. DC 45 mA. | |
| AC Adapter Power Input | Optional, 9V DC , 300 to 500 mA rating, central positive for socket. | | |
| Power Off | Automatic power off & manual power off. | | |
| Dimension | 173 x 80 x 35mm (6.8 x 3.1 x 1.4 inch). | | |
| Weight | 340 g/0.75 LB (including battery). | | |
| Standard Accessories | Instruction Manual 1 PC. | | |
| Optional Accessories | AT-20Telescoping RF pick-up antenna with BNC connector. | | |
| | PB-21Direct probe with BNC connector & alligator clip pairs. (Be used only for the measuring frequency 500 MHz) | | |
| | CA-03Soft carrying case. | | |

Table for Resolution & Sample Time

| Range | Gate Time Select | Resolution | Sampling Time |
|----------|------------------|------------|---------------|
| 2500 MHz | FAST | 1000 Hz | 0.5 SEC |
| | SLOW | 100 Hz | 2.75 SEC |
| | SLOW(select 1) | 200 Hz | 1.5 SEC |
| | SLOW(select 2) | 500 Hz | 0.75 SEC |
| 100 MHz | FAST | 100 Hz | 0.75 SEC |
| | SLOW | 10 Hz | 6 SEC |
| | SLOW(select 1) | 20 Hz | 5 SEC |
| | SLOW(select 2) | 50 Hz | 1.5 SEC |
| 10 MHz | FAST | 10 Hz | 0.5 SEC |
| | SLOW | 1 Hz | 1.25 SEC |
| | SLOW(select 1) | 0.2 Hz | 6 SEC |
| | SLOW(select 2) | 0.1 Hz | 11 SEC |

* Appearance and specifications listed in this brochure are subject to change without notice.

1310-FC2500A