## FREQUENCY COUNTER 2.5 GHz

Model: FC-2500A ISO-9001, CE, IEC1010







The Art of Measurement

## 2.5 GHz HAND HELD

## FREQUENCY COUNTER

Model: FC-2500A

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

		SPECIFICATIO	NS			
Display	13mm (0.5")	3mm (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 TimeRef. the following "Table for Resolution & Sample Time".						
Sensitivity	2500 MHz	50 MHz - 75 MHz		100 mV		
(rms)	range	76 MHz - 2500 MHz		50 mV		
	100 MHz	5 MHz- 100 MHz		50 mV		
	range	> 100MHz to 120MHz		100 mV		
	10 MHz	50 mV				
	Period	50 mV				
Frequency Accuracy	± (4 PPM +1	PPM +1 d) - 23± 5°C , after calibration.				
Time Base circuit	4.194 MHz quartz crystal.					
Time Base Temp. Coeffice	Time Base Temp. Coeffi(0.1 PPM/per (typical, $23 \pm 5^{\circ}$ C).					
Over-input		500 MHz & 100 MHz range Max. 5V peak to peak.				
	10 MHz & Pe	riod range	0 V peak to peak			
Input Connector	BNC, female.					
Case	Durable & strong ABS-plastic housing.					
Operating Temperature	0 to 50 ℃ (32 to 122 °F).					
Operating Humidity	Less than 80% RH					
Power Supply	4 x 1.5 V AA(UM-3) battery.					
Power Consumption		500 MHz range Approx. DC 105 mA.				
	10 MHz & Pe			DC 45 mA.		
	ut 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		
_	FAST	1000 Hz	0.5 SEC		
2500 MHz	SLOW	100 Hz	2.75 SEC		
	SLOW(select 1)	200 Hz	1.5 SEC		
	SLOW(select 2)	500 Hz	0.75 SEC		
	FAST	100 Hz	0.75 SEC		
	SLOW	10 Hz	6 SEC		
100 MHz	SLOW(select 1)	20 Hz	5 SEC		
	SLOW(select 2)	50 Hz	1.5 SEC		
	FAST	10 Hz	0.5 SEC		
	SLOW	1 Hz	1.25 SEC		
10 MHz	SLOW(select 1)	0.2 Hz	6 SEC		
	SLOW(select 2)	0.1 Hz	11 SEC		

<sup>\*</sup> Appearance and specifications listed in this brochure are subject to change without notice.