

4.4GHz Handheld Spectrum Analyzer

Protek A734

Protek A734 is primarily used to measure the power of the spectrum of known and unknown signals. Protek A734 has been optimized for the convenience of mobility with lightweight, 5.7inch sunlight readable LCD, long battery life(8 hours). Comparable DANL(Displayed Average Noise Level)enables users to detect more accurately low level of signals and additional features such as phase noise measurement, audio listen, and zero span options, will lead users to take advantage of Protek A734 in more field applications than other spectrum analyzer.



Model	Frequency Range	Frequency Accuracy	Max Input Power	Minimum Span
Protek A734	100kHz ~ 4.4GHz	$\lt \pm 1$ ppm	+20dBm	600Hz

Accessories (Option)

Features

- Frequency Range : 100kHz ~ 4.4GHz
- Zero Span Function
- Minimum Span : 600Hz
- 8 hours operation
- AM & FM demodulation
- 5.7 inch TFT (Sun-light Readable)
- USB, LAN Interface



S134
(Terminating Power Sensor)



C122R5
(Battery Charger)

Specifications

Description		Specification		
Frequency	RAnge	± 0 kHz to 4.4GHz		
	Span Mode	Center Freq + Span or Start Freq + Stop Freq ,ZERO Span		
	Span	ZERO SPAN, 600 Hz~ 4.4GHz		
	Minimum Span	600 Hz		
	Internal Frequency Reference Accuracy	± 1 PPM		
	RBW	0.1Hz to 250kHz & 5MHz(0.1, 0.2, 0.4 ,0.8, 1.6, 3.2, 6.5, 13, 25, 50, 100~)		
Amplitude	Measurement Range	DANL ~ 1dB Gain Compression		
		1dB Gain Compression (attenuator 15dB, preamp off)		
		+16dBm Typical, 1Hz to 150MHz		
		+19dBm Typical, 150MHz to 4.4GHz		
	DANL	Displayed Average Noise Level : 0dB ATT, 1Hz RBW		
		FREQ	Preamp ON	Preamp OFF
		10Hz	-124dBm	NA
		100Hz to 10kHz	-130dBm	NA
		10kHz to 500kHz	-142dBm	NA
		500kHz to 10MHz	-142dBm	-153dBm
		10MHz to 100MHz	-148dBm	-161dBm
		100MHz to 1GHz	-144dBm	-158dBm
		1GHz to 2.6GHz	-139dBm	-151dBm
		2.6GHz to 3.3GHz	-135dBm	-151dBm
	3.3GHz to 4.4GHz	-128dBm	-134dBm	
Amplitude Unit	dBm, dBmV, Watt, V			
Maximum Safe Input Level (preamp off, 15dB Att)	+20dBm			
DC Volt	± 0.2 V max			
Sweep	Zero Span Sweep Time	10 ms to 2 sec ($\pm 0.1\%$)		
	Sweep Trigger	freerun, single, external		
Display	Trace	3 Trace		
	Detector	min, max, sample , avg (power , voltage , log)		
	Marker	5 Marker		
	Marker Function	peak, next peak, center=marker frequency		
	Audio Demodulation	AM & FM		
	Type	5.7" Color TFT-LCD		
	Display Resolution	640*480 pixels		
Features	Sun-Light Readable			
Input	RF Connector	RF Signal IN, N type Female 50 Ohm		
	BNC External Time Base	10MHz in, BNC type Female		
	BNC Share	Self test, Sync out, Sweep Trigger IN, BNC type Female		
Others	Interface	USB, LAN Interface, Audio(FM&AM)		
	Dimensions	160(W) X 263(H) X 61(D) mm		
	Weight	1.75 kg		
Input Power		Li-ion Rechargeable Battery 6Cell(normal 7.4V / 7800mA) AC-DC Adaptor DC 12V/3.0A (100 ~ 240V AC, 1.5A)		
Standard Products		Battery, Adapter, Manual, Bag, Antenna		
Operating Conditions		Temperature : 0 ~ 40°C / Himidity : < 70%RH		