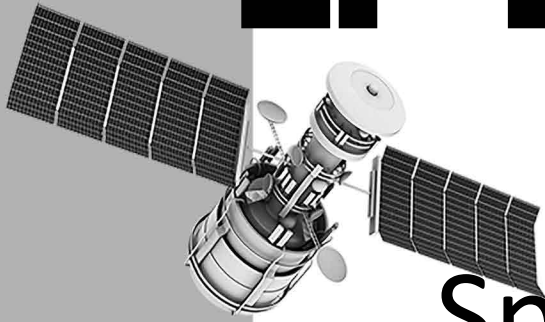


LPT-X3000



Product Specifications

- * High Performance full DSP
- * 9 kHz to 3 GHz Frequency Range
- * 8.4" TFT LCD Display
- * Sweep Times in the microseconds
- * 50 dB Attenuator
- * Low Cost High Performance
- * Minimal Phase Noise

- * Battery Pack (Optional)
- * Function Generator (Optional)
- * RF Power Sensor (Optional)



LPT-X3000 Product Specifications

Frequency	Range	9 kHz to 3.0 GHz		
	Resolution	1 Hz		
	Span Range	Zero span, 100 Hz to 3 GHz, Full Span		
	Frequency Selection	Center Span Setup, Start and Stop Frequency Setup		
	Span Accuracy	$\pm \text{Span}/(\text{Trace Points}-1)$		
	Readout Accuracy	$\pm(\text{mkr freq indXfreq ref accu}+10\% \times \text{RBW} + \text{Sprn}/(\text{TrcPnt}-1))$		
	Phase Noise	<-88 dBc/Hz @10 kHz offset		
Amplitude	Range	-142 dBm to +33 dBm		
	(10 Hz RBW, 10 Hz VBW)	<-93 dBm : 9 kHz to 100 kHz <-90-3X(f/100kHz)dBm ; <-108-3X(f/100kHz)dBm Preamp On :100kHz to 1MHz <-122dBm ; <-142 Preamp On :1MHz to 10MHz <-122dBm ; <-142+3X(f/1GHz)dBm Preamp on :10MHz to 3GHz		
	Amplitude Unit	dBm, dBmv, dBμV, V, W		
	Scales	Log, Linear		
	Frequency Response	$\pm .5 \text{ dB}$ (100 kHz to 2 GHz)		
	(Based on 10 dB Atten)	$\pm .7 \text{ dB}$ (2 GHz to 3 GHz)		
	Reference level	-120 dBm to +30 dBm		
	2nd Harmonic Distortion	+35 dBm, -30 dBm Input, 0 attenuation		
	Residual Spurious	<-90 dBm (Input terminated; 0dB attenuation)		
	Resolution Bandwidth	Selections	1 Hz to 1 MHz in 1-3-10 sequence	
		Accuracy	$\pm 5 \% \text{ RBW} = 1 \text{ MHz}$; $\pm 8 \% \text{ RBW} < 1 \text{ MHz}$	
		Shape Factor	<4.5 : 1, Normal Bandwidth Ratio : -60 dB : -3 dB	
		Switching Error	$\pm .25 \text{ dB}$ (10 kHz Reference RBW)	
	Video Bandwidth	1 Hz to 1 MHz in 1-3-10 sequence		
Sweep	Rate	310 μs to 1000 s; 50μ to 1000 s (Zero Span)		
	Trigger Source	Free run; Video; External		
	Trigger Modes	Continuous; Single		
	Trigger Slope	Positive or negative edge		
Memory	Internal memory	16 MB		
	Micro SD	up to 32 GB Capacity		
	USB	1.1/2.0 (FAT 32 and NTFS formatted)		
	Storage	JPEG file of display, state data of settings CSV for Trace data, Power meter data		
Screen Display	Type	8.4 in TFT LCD		
	Display Resolution	800 X 600 Pixels		
	Marker Modes	Peak Search, Delta Marker, Noise Marker, Frequency Counter		
Input	RF Input Connector	N-type female 50 Ω nominal		
	VSWR	300 kHz to 3 GHz, VSWR <1.6 : 1		
	Maximum Input Level	+ 50VDC, +30dBm		
Interface	USB (Front Panel)	A Plug Version 2.0		
	USB (Rear Panel)	B Plug Version 2.0		
	Ethernet	10Base-T; 100Base-Tx		
	RS-232C	D-Sub 9-pin female Tx, Rx, RTS, CTS		
	Micro SD Socket	SD 1.1, Micro SD; Micro SDHC; up to 32GB capacity		
	Alarm Output	BNC female, open collector		
	Earphone Output	3.5 mm stereo jack		
General	Video Output	DVI-I (integrated analog and digital), Single Link		
	Dimensions	13.8 (W) X 8.3 (H) X 3.9 (D) inch		
	Weight	9.9 lbs		
	Warming up Time	< 30 minutes		
	Power	< 65 W		
	Operating Temperature	+5°C to +45°C		
Storage Temperature	-20°C to +70°C			

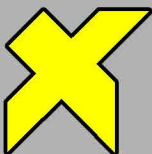
Options

Tracking Generator
Soft Carrying Case

Battery Pack

GPIO Interface

RF Power Sensor





Spectrum Monitoring Made EASY

The LPT-X3000 seamlessly merges with LP Technologies' Automatic Spectrum Monitoring System (LPT-ASM), the most effective and affordable carrier monitoring solution in the satellite industry, and LP Technologies' Low Earth Orbit (LPT-LEO), the only SMS dedicated to addressing the needs of the Low-Earth-Orbit satellite industry. Using the LPT-X3000's advanced spectrum monitoring capabilities operators can easily collect fast, accurate data while performing precise measurements.

The LPT-X3000 can also easily integrate with other carrier and network monitoring systems.

Measuring Signals with PRECISION

The small light weight high quality LPT-X3000 is designed to exceed requirements for a wide variety of applications: field work, laboratory testing, remote monitoring and remote testing.

For more information contact us:

Phone: 1-316-831-9696

Fax: 1-316-831-9692

E-mail: sales@lptech.com

7330 W 13th St. N

Wichita, KS 69212 U.S.A

