

Protek 3290N / 3201N

Protek 3290N (2.9GHz) Protek 3201N (2GHz)

Cable TV
 Paging System
 Satellite TV Receiver
 Hidden Camera
 Tele-tapping Detection



RF Field
 Strength
 Analyzer

Features

- 100kHz to 2,900MHz measurement range(3290N only)
- Measures and demodulates W-FM / N-FM / AM / SSB signals
- PLL tuning system for precise frequency tuning
- Built-in Frequency Counter and speaker
- LED Backlight LCD (192X192 dots)
- RS-232C for PC Interface and printer(8 pin mini Din)
- Menu driven for various function
- 3 Types of Sweep modes (Free run/Single run/Squelch run)
- Save and recall:100Waveforms and 100 states
- dBm/dBμ/dBmV/Display

Standard Accessories

- Antenna(Receive Only)
- Coaxial Cable
- RS-232 Cable
- Software for PC Application.
- Carrying Case
- AA Type Ni-MH Recharge Batteries(1.2 2,700mAH)
- Carrying Strap
- Earphone
- Manual

Optional Accessories

- Matching Pad(75 to 50)
- F-BNC Adaptor
- AC Adaptor
- Mini Printer Cable
- AA Type Ni-MH Batteries(1.2V 2,700mAH)
- Block Voltage Unit
- Car Adaptor

Specifications

MODEL		3290N	3201N
Frequency	Range	100kHz to 2900MHz	100kHz to 2000MHz
	Resolution	3,125kHz(Multiple of 3,125kHz)	
	Accuracy	TXO:±3PPM Display:±1,5PPM	
	Modulation Bandwidth	Wide FM:Apprx. 180kHz(-6dB) Narrow FM:Apprx 12,5kHz/AM/SSB:Appex 2,4kHz(-6dB)	
	Step Range	6,25kHz	
	Frequency Selection	Start, Stop, Center span setup	
Amplitude	Measurement Range	-45dBm to -110dBm	
	Average Noise Level	Wide FM:-100dBm NarrowFM/AM/SSB:-110dBm	
	Amplitude Units	dBm, dBmV, dBuV	
	Reference Level Accuracy	Wide FM/AM/SSB Typical ±1,5dB(20°C~30°C), Narrow FM Typical ±1,5dB(25°C)	
	Reference Level Ranges	120dBm~-90dBm	
	Log Scale	0,2dB/div Min. in 0,25dB Steps(5 Display Division)	
Sweep	Internal Atten	10dB	
	Speed	Min.500msec	
	Trigger Source	Narrow FM/Wide FM/AM/SSB	
	Trigger Mode	Free Run/Single Run/Continuous Wave/Squelch Run	
	Trigger Level	TTL Level	
	Marker Modes	Marker/Delta Marker/Single Power Meter/Multi Power Meter	
Memory	Trace Storage	Max 100 Waveforms and 100 States	
	Setup Storage		
Display	Type	Mono STN LCD	
	Display Resolution	192 X 192 pixels	
Input	LCD Backlight	ON/OFF	
	RF Input Connector	N Type Female, 50ohms	
Frequency	Maximum Input Power	Max+10dBm, 5V RMS	
	Range	35MHz~2900MHz	35MHz~2000MHz
General Specification	RF Input Connector	BNC Type Female, 50ohms(Standard)	
	Operation Temperature	0°C to 40°C	
	Humidity	35RH to 85RH	
Power	Storage Temperature	10°C to 50°C	
	Power Source	AA Type Ni-MH Rechargeable Battery X 6pcs	
	Power Adaptor	SMPS Type AC Adaptor DC 12V Car-adaptor DC 12V	
Dimension & Weight	Auto Power	OFF/ 5min/ 10min/ 20min/ 30min	
	Size	102(W) X 229(H) X 45(D)mm	
	Weight	Aprx.2,2 lmb/ 700grams(Except Antenna)	
Other	Speaker	0,5W into 8 ohms Speaker	
	Antenna	Dipole Antenna(Receive Only)	
	RS-232C Interface	9600bps, 19200bps, 38400bps, 57600bps, and 115200bps 8-pin MINI-DIN Connector	

RF Field
Strength
Analyzer