

PROTEK 7830 SPECIFICATIONS:

Frequency	
Range	100 kHz to 2.9 GHz
Resolution	Min 5kHz (Multiple of 5 kHz)
Accuracy	TXO : ±3PPM Display : ±25PPM
Modulation Bandwidth	Wide FM : Apprx. 180 kHz(-6dB) Narrow FM : Apprx 12.5 kHz/ AM / SSB: Apprx 2.4 kHz(-6dB)
Step Range	Min 5 kHz (Multiple of 5 kHz)
Frequency Selection	Center, Step / Start, Stop
Amplitude	
Measurement Range	-20dBm to -110dBm
Average Noise Level	Wide FM : -100dBm Narrow FM / AM / SSB:-110dBm
Amplitude Units	dBm, dBmV, dBuV
Reference Level Accuracy	Typical 1.5dB (@20°C to 25°C)
Reference Level Ranges	+20dBm to -90dBm
Log Scale	0.2 dB/DIV min. in 0.25 dB Steps(5 Display Division)
Internal Atten	Max 30dB (Step : Min 1dB)
Sweep	
Speed	500 msec to 2000 msec
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/ Peak Search/ Marker to Center/ Channel Power
Memory	
Trace Storage	Max 100 Waveforms
Setup Storage	100 States
Display	
Type	Mono STN LCD
Display Resolution	192 x 192 pixels
LCD BackLight	ON/ OFF/ AUTO
Input	
RF Input Connector	N Type Female, 50 ohms

Maximum Input Power	Max +10dBm, 5V RMS
Frequency Counter	
Range	10 MHz to 2900 MHz
RF Input Connector	BNC Type Female, 50 ohms (Standard)
General Specification	
Operation Temperature	0°C to 40°C
Humidity	35 RH to 85 RH
Storage Temperature	10°C to 50°C
Power	
Power Source	AA Type Ni-MH Rechargeable Battery x 6pcs
Power Adaptor	SMPS Type AC Adapter DC 12V Car-adaptor DC 12V
Auto Power	OFF/ 5 sec/ 10 sec/ 20 sec/ 30 sec
Other	
Speaker	0.5W into 8 ohms Speaker
Antenna	Dipole Antenna (Receive Only)
RS-232 Interface	9600 bps, 19200 bps, 38400 bps, 57600 bps, and 115200 bps 8-pin MINI-DIN Connector