

Table 1-1. Specifications

CHARACTERISTICS	SPECIFICATION
FREQUENCY:	
Range:	20 to 19,999 Hz
Stability:	Less than ± 10 Hz/hour after 1 hour (typical)
Resolution:	Less than ± 10 Hz/ $^{\circ}$ C at 1 kHz (typical)
Accuracy:	1 Hz
LEVEL:	Better than ± 3 Hz at 25° C
Range:	-60 dBm to +13 dBm (10 dB attenuator steps)
Level Accuracy:	± 0.5 dB (50 Hz to 20 kHz, reference 1 kHz)
SELECTIVITY:	± 1.0 dB (20 Hz to 20 kHz, reference 1 kHz)
Filter:	Crystal, 250 kHz
Bandwidth:	10 Hz ± 2 Hz at 3 dB points
	20 Hz ± 5 Hz at 20 dB points
	60 Hz maximum at 60 dB points
CALIBRATION OSCILLATOR:	
Frequency:	1000 Hz ± 0.02 Hz over operating temperature range
Amplitude:	0 dBm ± 0.5 dB
	± 0.2 dB Initial setting
	± 0.3 dB over operating temperature range
TRACKING GENERATOR:	
Level:	0 dBm (nominal) open circuit
Output Impedance:	600 ohms balanced
Waveform:	Square, less than 300 ns rise time
SPURIOUS RESPONSES:	
Image Rejection	70 dB minimum below ± 10 dBm reference input at 600 ohms
I-F Rejection	70 dB minimum below ± 10 reference input at 600 ohms
TEMPERATURE RANGE:	
Operating:	-10° C to $+55^{\circ}$ C
Storage:	-40° C to $+85^{\circ}$ C
INPUT CHARACTERISTICS:	
Terminations:	600 ohms, 900 ohms and Bridging
Bridging Impedance:	Greater than 15 k ohms, 100 Hz to 20 kHz
	Greater than 4 k ohms, 20 Hz to 100 Hz
Configuration:	Balanced, transformer isolated
Maximum DC:	200 V DC, line to line
Common Mode Rejection:	Greater than 65 dB at 60 Hz
(CMR)	Greater than 35 dB at 20 kHz
Connectors:	Binding Posts and WE 310 jack (parallel connections)
POWER:	Two internal rechargeable batteries or 115 volts (230 volts optional) 50-60 Hz for AC operation and battery recharge. Greater than 3 hours continuous use on fully charged battery.
MECHANICAL:	
Dimensions:	5 $\frac{1}{4}$ " high, 7 $\frac{1}{8}$ " wide, 6 $\frac{1}{4}$ " deep (133 x 194 x 171 mm)
Weight:	7.9 lbs. (3.58 kg)
MISCELLANEOUS FEATURES:	Coarse and Fine tuning 4 $\frac{1}{2}$ digit, high-intensity yellow display (LED) Signal presence detector (LED) AC power indicator (LED) Over and Under frequency range indication Display update rate of 4 per second Taut band analog meter