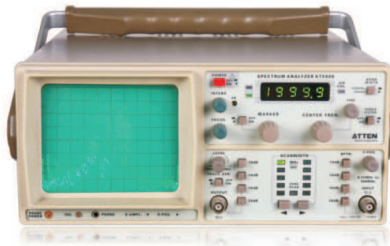
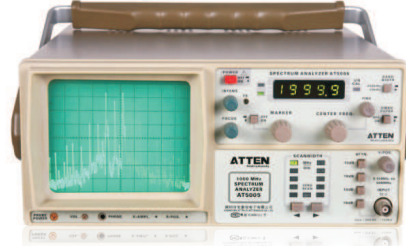


Spectrum Analyzer

AT5000 Series (AT5006/AT5005)



AT5006



AT5005

SUMMARY

AT5005 / AT5006 is the perfect instrument for analyzing any kind of signal within the frequency range of 0.15 to 500 MHz, and is best suited for meeting the RF measurement needs of education and industry.

FEATURES

- Frequency Range : 150KHz to 500MHz
- 4 1/2 Digit Display : Centre & Marker Frequency,
- 0.1MHz Resolution
- Amplitude Range : -100dBm to +13dBm
- Filters : 20KHz, 250KHz & Video Filter.
- Output Power : +1dBm to -50dBm (50 ohms)
- Built-in Tracking Generator : 0.15MHz to 500MHz (Only for Model AT5006)

AT5006 Tracking Generator

- Output Frequency Range: 150KHz to 500MHz.
- Output Power Level: -50dBm to +1dBm (in 10dB steps & Variable).
- Output Attenuator: 0 to 40 dB (4 x 10 dB steps).
- Output Attenuator Accuracy: ± 1dB.
- Output Flatness (150KHz to 500MHz): ± 1.5dB.
- Spurious Outputs:
 - Harmonic Spurs & Non harmonic Spurs(RFI): <20dBc.
 - Output Impedance: 50 ohms (BNC female).

MISCELLANEOUS

- AM/Demodulator : Earphones

Technical Specifications

Frequency

Frequency range: 150 KHz to 500MHz (-3dB).
 Center Frequency: ± 100KHz
 Resolution of frequency display: Resolution 100KHz, (4 1/2 digit)
 Marker Accuracy: 0.1% Span +100KHz
 Frequency Stability (Drift): < 150 KHz / hr
 Frequency Span: Zero span 0Hz/div, and 100 KHz/div to 100MHz/div in 1-2-5 sequence.
 Accuracy: ±10%
 RBW: (-3dB) Resolution 20 KHz & 250KHz
 Video Bandwidth, VBW :400 KHz
 Sweep Time (Fixed) :23ms

Amplitude

Amplitude Range: -100dBm to +13dBm
 Screen Display Range :80dB (10dB/div), 8 div
 Reference Level : -27dBm to +13dBm (in 10dB steps),
 -27, -17, -7, +3 and +13dBm
 Accuracy (Ref. Level) : ±2dB
 Average Noise Level :-103dBm (25 0KHz RBW)
 Frequency Response(Relative to 250MHz, ATTN 10dB) : ±2dB
 Inter-modulation (3rd order)
 (Spurious Response) : <-75dBc (2 signals, -27dBm each,
 Freq. Distance >3MHz)
 Harmonic Distortion (2nd, 3rd): <-75dB
 Absolute Amplitude Accuracy ±2.5dB

Input

Input Impedance: 50 ohms
 Input Connector :BNC
 Input Attenuator :0 to 40 dB (4 x 10 dB steps)
 Input Attenuator Accuracy: ±2dB / 10dB step
 Max. Input Level : +10dBm, (0dB attenuation), DC : ±25V