

AT-6005

Spectrum Analyzer



Frequency Specifications:

Frequency range: 0.15~500MHz

Stability: ± 10 ppm / year

Aging: ± 2 ppm each year

Resolution of frequency display: 10kHz (5 digit)

Readout accuracy: $\pm 2\% \times \text{sweepwidth} + 5 \times 10^{-3} \times \text{CF} + 10\text{kHz}$

CF adjustment range: 0.15~500MHz

Frequency synthesizer: TCXO, DDS

Sweep width range: zero steps and 1—500MHz (1-2-5 steps)

Sweep Width accuracy: $\pm 10\%$

Resolution Bandwidth: 400kHz , 20kHz

Video-Filter Bandwidth: 4kHz

Sweep time: 20ms

Amplitude Specifications 0.15~500MHz

Range: -100dBm~+13dBm

Display: CRT, 8*10div

Display calibration: 10dB/div, logarithmic

Display range: 80dB (10 dB/div)

Amplitude Frequency Response

10 dB Attenuation, Zero Step, Resolution Bandwidth

400kHz, Signal -17 dBm: $\leq \pm 4$ dB

LCD Display: 2*16, Center frequency, Sweep frequency width, Reference Level

Accuracy (Input attenuation) : $\leq \pm 2\text{dB}/10\text{dB}$

Reference level range: -27 dBm~+13 dBm (each 10dB)

Accuracy: (Reference level) 250MHz (CF) , Zero step, RBW400kHz: ± 2 dB

Average noise level: ≤ -90 dBm (RBW20kHz VBW4kHz)

Third order intermod.: at -27dBm two signal >3MHz apart: ≤ -60 dBc

2nd harmonic suppression: -27 dBm, 0 dB attenuation, ≤ -50 dBc

VSWR (Attenuation ≥ 10 dB) : typ. 1.5: 1

Input/output

Signal input: N connector

Impedance: 50 Ω

Max. continuous RF input level: 10~40 dB attenuation: +20 dBm (0.1W) 0 dB attenuation: +10 dBm

Max. DC input voltage: $\pm 25V$

DC Output: DC power supply $6V_{DC}$ FOR AZ530 Probe

Audio output: 3.5mm ϕ , speaker connector

Turning knob control: Center frequency

others

Operation temperature: $+10^{\circ}C$ --- $+40^{\circ}C$

Storage temperature: $-40^{\circ}C$ --- $+70^{\circ}C$

Line Voltage range: $220V_{AC} \pm 10\%$, 50Hz~60Hz

Size: (W*H*D) : 285*125*380mm

Weight: AT6005 about 8.0kgs