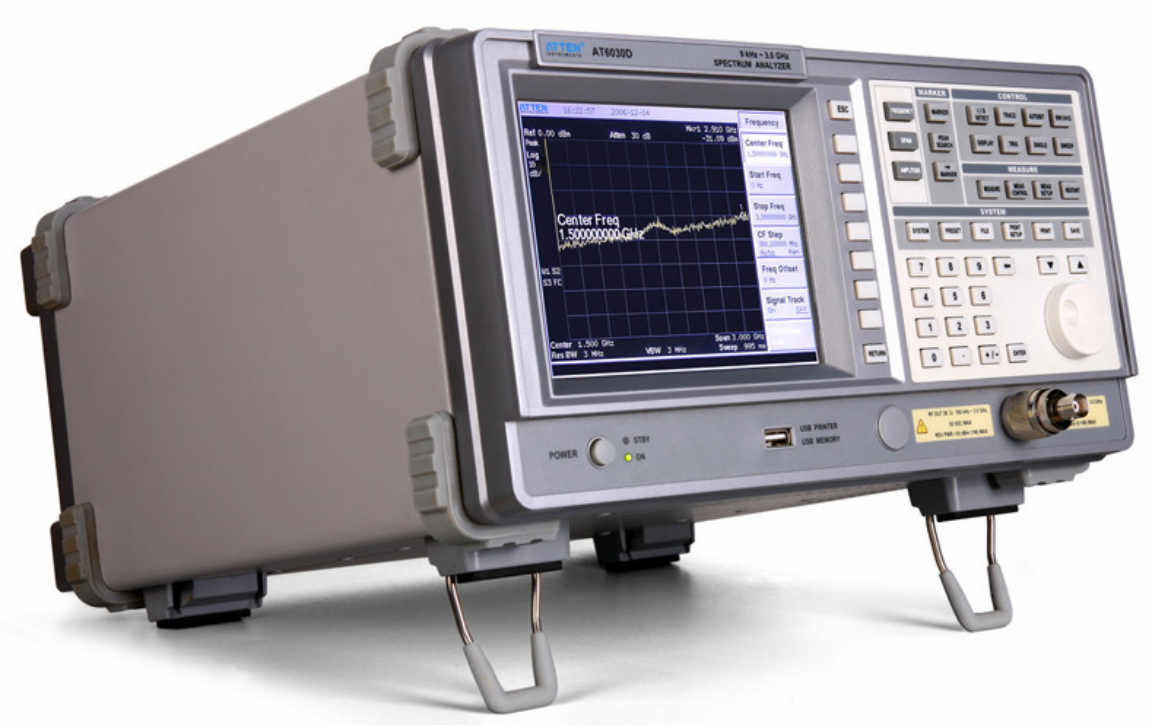

AT6030D/60D 3/6 GHz Spectrum Analyzer

Range 9kHz to 3.0GHz (AT6060D : 9kHz to 6.0GHz)
Resolution Minimum 1Hz
Span Range 100 Hz/div to 300 MHz/div
Selection of 1, 2, 5 steps(automatic), ZERO Span, FULL Span (9KHz to 3.0GHz)
Frequency Selection Start, Stop, Center, Span setup
pan Accuracy ±3% of the Indicated Span Width
Readout Accuracy ≤±(Indicated frequency × Reference frequency accuracy □ Span
× Span accuracy □ 50% of RBW)
Phase Noise ≤-100dBc/Hz (@ 10kHz offset)
Range +20 dBm ~ -105 dBm, +20 dBm ~ -130 dBm(Pre Amp ON)
Average Noise Level
(1kHz RBW, 10Hz VBW)
≤-105 dBm150 kHz ~ 2.7 GHz
≤-127 dBm(Pre Amp On) 20 MHz ~ 2.7 GHz
≤-100 dBm, -123 dBm(Pre Amp On) 2.7 GHz ~ 3 GHz
≤-130dBm(Pre Amp On) ; Typically
Amplitude Unit dBm, dBmV, dB□, V, mV, □, W, mW, uW
Display Scale linearity ≤ ±1.5 dB / 70 dB (10dB / div), ≤ ±1.5dB / 40dB (5dB / div), ≤ ±0.5 dB / 8 dB (1dB / div), ≤ ±0.5dB / 16dB (2dB / div)
Frequency Response (0dB attenuation): -3.5 ~ 1.5 dB (100kHz ~ 10MHz), ±1.5 dB (10MHz ~ 3GHz)

Range -90 dBm to +20 dBm
Resolution 0.1 dB steps
Accuracy : ± 1.5 dB
Second Harmonic
Distortion ≤-60 dBc, -40 dBm input
Inter-modulation
Distortion ≤-70 dBc, -40 dBm input
Residual Spurious ≤-85 dBm (Input terminated, 0 dB attenuation)
Other Input Spurious ≤-60 dBc, -30 dBm input
Resolution Bandwidth
Selections 1kHz, 3kHz, 10kHz, 30kHz, 100kHz, 300kHz, 1MHz, 3MHz, 9kHz, 120kHz
Accuracy ≤ ±20%
Selectivity 60 dB / 3 dB ratio < 15 : 1
60 dB / 6 dB ratio < 12 : 1 (9 kHz, 120 kHz)
Switching Error ≤ ± 1.0 dB (1kHz Reference RBW)
Video Bandwidth 10 Hz to 3 MHz in 1-3-10 step
Rate 100 ms to 1000 sec□40ms to 1000sec(zero span)
Accuracy ≤ ±20%
Trigger Source External(rear), Video, Free Run, Line
Trigger Modes continuous, single
Trigger Level TTL level
Trace Storage maximum 900 waveforms
Setup Storage maximum 3,000 states
SCREEN DISPLAY
Type 6.4" color TFT LCD
Display Resolution 640(H) x 480(V) active display area
Marker Modes Peak search, Delta marker, Marker to Center, Marker to Reference (8 markers
maximum)
RF Input Connector N-type Female, 50 ohm nominal
VSWR 150 kHz to 3.0 GHz, VSWR < 1.5 : 1(with 0 dBm Reference Level)
Maximum input level 0 Vdc, +20 dBm
STANDARD FREQUENCY (10MHZ, REF.)
Temperature Stability ± 0.5 ppm
Aging ± 0.5 ppm / Year
Connector BNC female
Input Level -5 dBm to +15 dBm
Output Level 10 MHz, +8 dBm nominal
Communication Port RS-232C
Printer Driver PCL Command, HP, EPSON,SAMSUNG,CANON Laser-Jet, Desk-Jet
Connector for standard 25 pin female D-Sub parallel printer, supports USB
USB Host Printer Driver PCL Command, HP, EPSON, SAMSUNG CANON Laser-Jet, Desk-Jet

USB Storage Device Supports 1.1 and 2.0, for storing image file, supports GIF format
Ethernet(Option) 10-Base-T Ethernet, Supports internet remote control
GPIB Interface(Option) IEEE488 bus
GENERAL SPECIFICATIONS
STORAGE TEMPERATURE:-20M TO 70 M
RF EMISSIONS : EN 55011, FCC PART15 SECTION 15.101
RF IMMUNITY : EN 61326
SYSTEM SIZE : 350(W) X 195(H) X 370(D)MM
SYSTEM WEIGHT : 10KG
INPUT VOLTAGE : 100~240 VAC AT 50/60HZ
OPERATING TEMPERATURE : 0 M TO 40 M