

GA4063

3.0GHz SPECTRUM ANALYZER

- Frequency range: 9kHz ~ 3.0GHz
- Displayed average noise level (DANL) <-148dBm
- Phase noise -95 dBc/Hz typically (@offset 10kHz)
- Full amplitude accuracy of <1.0 dB
- Minimum resolution bandwidth (RBW) 1Hz
- Standard pre-Amplifier
- 3.0GHz Tracking Generator (optional)
- Measuring capabilities & a variety of automatic settings
- Compact size, easy to carry and use



REF: 12A4063X0000

✓ CE (EMC), □ UL, □ CE (LVD)

Technical Specifications

Frequency range: 9kHz ~ 3.0GHz

Internal frequency reference: 10MHz,

Aging: $\pm 1 \times 10^{-7}$ ppm/year, temperature stability: $\pm 1 \times 10^{-7}$

Frequency readout resolution: freq. span / (sweep points - 1)

Maker frequency counter resolution: 1Hz

Frequency span: 0Hz (zero span), 100Hz~3GHz;

Resolution 1Hz; accuracy: \pm span / (sweep points - 1)

SSB phase noise: < -95 dBc/Hz (carrier offset 10kHz);

< -100 dBc/Hz (carrier offset 100kHz);

< -120 dBc/Hz (carrier offset 1MHz)

Resolution bandwidth: 1Hz ~ 3MHz, in 1-3-10 step, $\pm 5\%$

Video bandwidth (VBW): 1Hz ~ 3MHz, in 1-3-10 step

Measurement range: DANL ~ +10dBm (100k~2MHz);

DANL ~ +20dBm (2M~3GHz)

Input attenuator: 0~50dB, in 10 dB steps

Max. safe input level: +30 dBm; DC ± 25 V

Display average noise level:

\leq -130dBm (preAmp off, 10M~2.5GHz, typical -140dBm)

\leq -148dBm (preAmp on, 10M~2.5GHz, typical -160dBm)

Level display range: 10dB ~ 100dB, 0% ~ 100%;
scale unit W / V / mV, sweep points 501

Level measurement: clear / write, Max / Min hold, AVG;
measurement error ± 1.5 dB, typical ± 0.6 dB

Reference level: -100dBm ~ +30dBm, step of 1 dB

Spurious response: 2nd harmonic distortion < -70dBc

Sweep: 10ms~3,000s (span \geq 100Hz);

10 μ s~100s (zero span);

mode: continuous / single; free run / RF burst

RF input: 10MHz, -10dBm ~ +10dBm; type-N, 50 Ω

RF input VSWR: < 1.5:1 (10M~3GHz)

Interface: USB host / device, LAN, RS232, VGA

Display: 800x480 pixels, 8.5 inch TFT color display

Tracking generator (optional): 5MHz~3.0GHz;

output 0 ~ -25dBm; VSWR < 2.0:1; type-N, 50 Ω

Power: AC 100V~240V, 50~60Hz

Power consumption: approx. 35W

Dimensions & weight: 410x210x136mm, 7.0kgs